Table Of Contents

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

1

1 Inorganic Standards

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Accréditation BELAC Accreditatie
Service public fédéral, Economie, P.M.E., Classes moyennes et Énergie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be
Federale Overheidsdienst, Economie, K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348
.be

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Accréditation BELAC Accreditatie
Service public fédéral, Economie, P.M.E., Classes moyennes et Énergie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be
Federale Overheidsdienst, Economie, K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348
.be

1 Inorganic Standards

1.1 ICP Standards

1.1.1 ICP Single Element Standards

1.1.2 ICP Multi Element Standards

ICP Single Element Standards 10 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0103	CL01.0104								
Sb		CL01.0123				CL01.0124				
As	CL01.0134									
Ba	CL01.0203	CL01.0204								
Be	CL01.0214									
Bi	CL01.0223									
B			CL01.0233							
Cd	CL01.0303									
Ca	CL01.0314									
Ce	CL01.0323									
Cs	CL01.0333									
Cr	CL01.0364	CL01.0363								
Co	CL01.1123	CL01.1128								
Cu	CL01.1133	CL01.1134								
Dy	CL01.0433									
Er	CL01.0503									
Eu	CL01.0513									
Gd	CL01.0703									
Ga										CL01.0713
Ge						CL01.0743				
Au		CL01.0733								
Hf		CL01.0804			CL01.0803					
Ho	CL01.0823									
In	CL01.0923									
Ir		CL01.0933								
Fe	CL01.0903	CL01.0904								
La	CL01.1203									
Pb	CL01.1223									
Li	CL01.1214									
Lu	CL01.1233									
Mg	CL01.1304	CL01.1310								
Mn	CL01.1313									
Hg	CL01.1153									
Mo				CL01.1334		CL01.1333				
Nd	CL01.1413									
Ni	CL01.1423									
Nb					CL01.1433					
Pd		CL01.1603								
P	CL01.0643		CL01.0633							CL01.0634
Pt		CL01.1613								
K	CL01.1104									
Pr	CL01.1623									
Re	CL01.1804		CL01.1803							
Rh		CL01.1813								
Rb	CL01.1824									
Ru		CL01.1834								
Sm	CL01.1903									
Sc	CL01.1913									
Se	CL01.1923									
Si					CL01.1943	CL01.1934		CL01.1933		
Ag	CL01.2603									
Na	CL01.1404									
Sr	CL01.1963									
S			CL01.2644							CL01.2643
Ta					CL01.2003	CL01.2004				
Te		CL01.2015				CL01.2014				
Tb	CL01.2023									
Tl	CL01.2033									
Th	CL01.2043									
Tm	CL01.2053									
Sn		CL01.2063								
Ti		CL01.2073				CL01.2074				
W				CL01.2303	CL01.2304	CL01.2333				
V	CL01.2203									
Yb	CL01.2503									
Y	CL01.2513									
Zn	CL01.2613									
Zr		CL01.2633								

ICP Standards 10 000 mg/L

Aluminium			
Aluminium	10 g Al / l 2 to 5% HNO3	100 ml 500 ml	CL01.0103.0100 CL01.0103.0500
Aluminium	10 g Al / l 2 to 5% HCl	100 ml 500 ml	CL01.0104.0100 CL01.0104.0500
Antimony			
Antimony	10 g Sb / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.0124.0100 CL01.0124.0500
Antimony	10 g Sb / l 10 to 20% HCl	100 ml 500 ml	CL01.0123.0100 CL01.0123.0500
Arsenicum			
Arsenicum	13.2 g As2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0134.0100 CL01.0134.0500
Barium			
Barium	14.4 g BaCO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.0204.0100 CL01.0204.0500
Barium	14.37 g BaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0203.0100 CL01.0203.0500
Beryllium			
Beryllium	10 g Be / l 2 to 5% HNO3	100 ml 500 ml	CL01.0214.0100 CL01.0214.0500
Bismuth			
Bismuth	10 g Bi / l 2 to 5% HNO3	100 ml 500 ml	CL01.0223.0100 CL01.0223.0500
Boron			
Boron	28.596 g H3BO3 / l H2O	100 ml 500 ml	CL01.0233.0100 CL01.0233.0500
Cadmium			
Cadmium	10 g Cd / l 2 to 5% HNO3	100 ml 500 ml	CL01.0303.0100 CL01.0303.0500
Calcium			
Calcium	25 g CaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0314.0100 CL01.0314.0500
Calcium oxide			
Calcium oxide	17.848 g CaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0319.0100 CL01.0319.0500
Cerium			
Cerium	12.3 g CeO2 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0323.0100 CL01.0323.0500
Cesium			
Cesium	12.3 g Cs2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0333.0100 CL01.0333.0500

ICP Standards 10 000 mg/L

Chromium			
Chromium	10 g Cr / l 2 to 5% HCl	100 ml 500 ml	CL01.0363.0100 CL01.0363.0500
Chromium	10 g Cr / l 2 to 5% HNO3	100 ml 500 ml	CL01.0364.0100 CL01.0364.0500
Cobalt			
Cobalt	10 g Co / l 2 to 5% HNO3	100 ml 500 ml	CL01.1123.0100 CL01.1123.0500
Cobalt	10 g Co / l 2 to 5% HCl	100 ml	CL01.1128.0100
Copper			
Copper	12.6 g CuO / l 2 to 5% HCl	100 ml 500 ml	CL01.1134.0100 CL01.1134.0500
Copper	10 g Cu / l 2 to 5% HNO3	100 ml 500 ml	CL01.1133.0100 CL01.1133.0500
Dysprosium			
Dysprosium	11.5 g Dy2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0433.0100 CL01.0433.0500
Erbium			
Erbium	11.5 g Er2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0503.0100 CL01.0503.0500
Europium			
Europium	11.6 g Eu2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0513.0100 CL01.0513.0500
Gadolinium			
Gadolinium	11.6 g Gd2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0703.0100 CL01.0703.0500
Gallium			
Gallium	10 g Ga / l 2 to 5% HNO3 + traces HCl	100 ml 500 ml	CL01.0713.0100 CL01.0713.0500
Germanium			
Germanium	10 g Ge / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.0743.0100 CL01.0743.0500
Gold			
Gold	10 g Au / l 10 to 20% HCl	100 ml 500 ml	CL01.0733.0100 CL01.0733.0500
Hafnium			
Hafnium	10 g Hf / l 5% HF	100 ml 500 ml	CL01.0803.0100 CL01.0803.0500
Hafnium	22.94 g HfOCl2.8H2O / l 2 to 5% HCl	100 ml 500 ml	CL01.0804.0100 CL01.0804.0500
Holmium			
Holmium	11.5 g Ho2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0823.0100 CL01.0823.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 10 000 mg/L

Indium			
Indium	10 g In / l 2 to 5% HNO3	100 ml 500 ml	CL01.0923.0100 CL01.0923.0500
Iridium			
Iridium	18.4 g IrCl3.3H2O / l 10 to 20% HCl	100 ml 500 ml	CL01.0933.0100 CL01.0933.0500
Iron			
Iron	10 g Fe / l 2 to 5% HNO3	100 ml 500 ml	CL01.0903.0100 CL01.0903.0500
Iron	10 g Fe / l 2 to 5% HCl	100 ml 500 ml	CL01.0904.0100 CL01.0904.0500
Lanthanum			
Lanthanum	11.8 g La2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1203.0100 CL01.1203.0500
Lead			
Lead	10 g Pb / l 2 to 5% HNO3	100 ml 500 ml	CL01.1223.0100 CL01.1223.0500
Lithium			
Lithium	53.3 g Li2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1214.0100 CL01.1214.0500
Lutetium			
Lutetium	11.4 g Lu2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1233.0100 CL01.1233.0500
Magnesium			**NEW**
Magnesium	10 g Mg / l 2 to 5% HCl	100 ml	CL01.1310.0100
Magnesium	10 g Mg / l 2 to 5% HNO3	100 ml 500 ml	CL01.1304.0100 CL01.1304.0500
Magnesium oxide			
Magnesium oxide	10 g MgO / l 2 to 5% HNO3	100 ml 500 ml	CL01.1309.0100 CL01.1309.0500
Manganese			
Manganese	10 g Mn / l 2 to 5% HNO3	100 ml 500 ml	CL01.1313.0100 CL01.1313.0500
Mercury			
Mercury	10 g Hg / l 2 to 5% HNO3	100 ml 500 ml	CL01.1153.0100 CL01.1153.0500
Molybdenum			
Molybdenum	10 g Mo / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.1333.0100 CL01.1333.0500
Molybdenum	20.43 g (NH4)2MoO4 / l 2% NH4OH	100 ml 500 ml	CL01.1334.0100 CL01.1334.0500
Neodymium			
Neodymium	11.7 g Nd2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1413.0100 CL01.1413.0500

ICP Standards 10 000 mg/L

Nickel			
Nickel	12.73 g NiO / l 2 to 5% HCl	100 ml	CL01.1428.0100
Nickel	10 g Ni / l 2 to 5% HNO3	100 ml 500 ml	CL01.1423.0100 CL01.1423.0500
Niobium			
Niobium	10 g Nb / l 5% HF	100 ml 500 ml	CL01.1433.0100 CL01.1433.0500
Palladium			
Palladium	10 g Pd / l 10 to 20% HCl	100 ml 500 ml	CL01.1603.0100 CL01.1603.0500
Phosphorus			
Phosphorus	42.636 g (NH4)2HPO4 / l H2O	100 ml 500 ml	CL01.0633.0100 CL01.0633.0500
Phosphorus	31.64 g H3PO4 / l H2O	100 ml 500 ml	CL01.0634.0100 CL01.0634.0500
Phosphorus	31.64 g H3PO4 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0643.0100 CL01.0643.0500
Phosphorus pentoxide			
Phosphorus pentoxide	13.81 g H3PO4 / l H2O	100 ml 500 ml	CL01.0629.0100 CL01.0629.0500
Platinum			
Platinum	10 g Pt / l 10 to 20% HCl	100 ml 500 ml	CL01.1613.0100 CL01.1613.0500
Potassium			
Potassium	25.858 g KNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1104.0100 CL01.1104.0500
Potassium oxide			
Potassium oxide	21.464 g KNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1109.0100 CL01.1109.0500
Praseodymium			
Praseodymium	12.1 g Pr6O11 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1623.0100 CL01.1623.0500
Rhenium			
Rhenium	14.41 g NH4ReO4 / l H2O	100 ml 500 ml	CL01.1803.0100 CL01.1803.0500
Rhenium	10 g Re / l 2 to 5% HNO3	100 ml 500 ml	CL01.1804.0100 CL01.1804.0500
Rhodium			
Rhodium	25.58 g RhCl3.3H2O/ l 10 to 20% HCl	100 ml 500 ml	CL01.1813.0100 CL01.1813.0500
Rubidium			
Rubidium	13.6 g Rb2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1824.0100 CL01.1824.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 10 000 mg/L

Ruthenium			
Ruthenium	26 g RuCl3.3H2O / l 10 to 20% HCl	100 ml 500 ml	CL01.1834.0100 CL01.1834.0500
Samarium			
Samarium	11.6 g Sm2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1903.0100 CL01.1903.0500
Scandium			
Scandium	15.34 g Sc2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1913.0100 CL01.1913.0500
Selenium			
Selenium	10 g Se / l 2 to 5% HNO3	100 ml 500 ml	CL01.1923.0100 CL01.1923.0500
Silicium			
Silicium	21.4 g SiO2 / l 2% KOH	100 ml 500 ml	CL01.1933.0100 CL01.1933.0500
Silicium	63.36 g (NH4)2SiF6 / l 5% HF	100 ml 500 ml	CL01.1943.0100 CL01.1943.0500
Silicium	10 g Si / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.1934.0100 CL01.1934.0500
Silver			
Silver	10 g Ag / l 2 to 5% HNO3	100 ml 500 ml	CL01.2603.0100 CL01.2603.0500
Sodium			
Sodium	36.977 g NaNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1404.0100 CL01.1404.0500
Sodium oxide			
Sodium oxide	27.428 g NaNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1409.0100 CL01.1409.0500
Strontium			
Strontium	16.849 g SrCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1963.0100 CL01.1963.0500
Sulfur			
Sulfur	41.21 g (NH4)2SO4 / l H2O	100 ml 500 ml	CL01.2644.0100 CL01.2644.0500
Sulfur	30.586 g H2SO4 / l H2O	100 ml 500 ml	CL01.2643.0100 CL01.2643.0500
Tantalum			
Tantalum	10 g Ta / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2004.0100 CL01.2004.0500
Tantalum	10 g Ta / l 5% HF	100 ml 500 ml	CL01.2003.0100 CL01.2003.0500
Tellurium			
Tellurium	10 g Te / l 20% HNO3 + traces HF	100 ml 500 ml	CL01.2014.0100 CL01.2014.0500
Tellurium	10 g Te / l 10 to 20% HCl	100 ml 500 ml	CL01.2015.0100 CL01.2015.0500

ICP Standards 10 000 mg/L

Terbium			
Terbium	11.8 g Tb4O7 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2023.0100 CL01.2023.0500
Thallium			
Thallium	10 g Tl / l 2 to 5% HNO3	100 ml 500 ml	CL01.2033.0100 CL01.2033.0500
Thorium			
Thorium	24.6 g Th(NO3)4.5H2O / l 10% HNO3	100 ml 500 ml	CL01.2043.0100 CL01.2043.0500
Thulium			
Thulium	11.5 g Tm2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2053.0100 CL01.2053.0500
Tin			
Tin	10 g Sn / l 10 to 20% HCl	100 ml 500 ml	CL01.2063.0100 CL01.2063.0500
Titanium			
Titanium	10 g Ti / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2074.0100 CL01.2074.0500
Titanium	39.62 g TiCl4 / l 10 to 20% HCl	100 ml 500 ml	CL01.2073.0100 CL01.2073.0500
Tungsten			
Tungsten	10 g W / l 5% HF	100 ml 500 ml	CL01.2304.0100 CL01.2304.0500
Tungsten	10 g W / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2333.0100 CL01.2333.0500
Tungsten	12.61 g WO3 / l 2% NH4OH	100 ml 500 ml	CL01.2303.0100 CL01.2303.0500
Vanadium			
Vanadium	10 g V / l 2 to 5% HNO3	100 ml 500 ml	CL01.2203.0100 CL01.2203.0500
Ytterbium			
Ytterbium	11.4 g Yb2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2503.0100 CL01.2503.0500
Yttrium			
Yttrium	12.7 g Y2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2513.0100 CL01.2513.0500
Zinc			
Zinc	10 g Zn / l 2 to 5% HCl	100 ml 500 ml	CL01.2614.0100 CL01.2614.0500
Zinc	10 g Zn / l 2 to 5% HNO3	100 ml 500 ml	CL01.2613.0100 CL01.2613.0500
Zirconium			
Zirconium	35.33 g ZrOCl2.8H2O / l 2 to 5% HCl	100 ml 500 ml	CL01.2633.0100 CL01.2633.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

ICP Single Element Standards 1 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0101	CL01.0102								
Sb		CL01.0121				CL01.0122	CL01.0162			
As	CL01.0133	CL01.0132						CL01.0131		
Ba	CL01.0201	CL01.0202								
Be	CL01.0212	CL01.0211								
Bi	CL01.0221									
B	CL01.0232		CL01.0231							
Cd	CL01.0301									
Ca	CL01.0311	CL01.0312								
Ce	CL01.0321									
Cs	CL01.0331									
Cr	CL01.0362	CL01.0361	CL01.0352							
Co	CL01.1121	CL01.1122								
Cu	CL01.1131	CL01.1132								
Dy	CL01.0431									
Er	CL01.0501									
Eu	CL01.0511									
Gd	CL01.0701									
Ga	CL01.0711									
Ge						CL01.0741		CL01.0721		
Au		CL01.0731								
Hf		CL01.0802			CL01.0801					
Ho	CL01.0821									
In	CL01.0921									
Ir		CL01.0931								
Fe	CL01.0901	CL01.0902								
La	CL01.1201	CL01.1202								
Pb	CL01.1221									
Li	CL01.1212	CL01.1211								
Lu	CL01.1231									
Mg	CL01.1301	CL01.1302								
Mn	CL01.1311	CL01.1312								
Hg	CL01.1151									
Mo				CL01.1332		CL01.1331				
Nd	CL01.1411									
Ni	CL01.1421	CL01.1422								
Nb					CL01.1431					
Os		CL01.1501								
Pd		CL01.1601								
P	CL01.0641		CL01.0631							
Pt		CL01.1611								
K	CL01.1101	CL01.1102								
Pr	CL01.1621									
Re	CL01.1802		CL01.1801							
Rh		CL01.1811								
Rb	CL01.1822	CL01.1821								
Ru		CL01.1831								
Sm	CL01.1901									
Sc	CL01.1911									
Se	CL01.1922	CL01.1921								
Si			CL01.1999		CL01.1945	CL01.1932		CL01.1931	CL01.1935	
Ag	CL01.2601									
Na	CL01.1401	CL01.1402								
Sr	CL01.1962	CL01.1961								
S			CL01.2641							CL01.2642
Ta					CL01.2001	CL01.2002				
Te		CL01.2012				CL01.2013		CL01.2011		
Tb	CL01.2022									
Tl										
Th	CL01.2041									
Tm	CL01.2051									
Sn		CL01.2061				CL01.2062				
Ti		CL01.2072	CL01.4601		CL01.2071	CL01.2075				
W				CL01.2302	CL01.2301	CL01.2331				
V	CL01.2201									
Yb	CL01.2501									
Y	CL01.2511									
Zn	CL01.2611	CL01.2612								
Zr		CL01.2632			CL01.2631	CL01.2672				

ICP Standards 1 000 mg/L

Aluminium			
Aluminium	1 g Al / l 2 to 5% HCl	100 ml 500 ml	CL01.0102.0100 CL01.0102.0500
Aluminium	1 g Al / l 2 to 5% HNO3	100 ml 500 ml	CL01.0101.0100 CL01.0101.0500
Aluminium(III) oxide			
Aluminium(III) oxide	0.529 g Al / l 2 to 5% HNO3	100 ml 500 ml	CL01.0141.0100 CL01.0141.0500
Antimony			
Antimony	1 g Sb / l 10 to 20% HCl	100 ml 500 ml	CL01.0121.0100 CL01.0121.0500
Antimony	1 g Sb / l 2 to 5% HNO3 + 0.5 % Tartaric Acid	100 ml 500 ml	CL01.0162.0100 CL01.0162.0500
Antimony	1 g Sb / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.0122.0100 CL01.0122.0500
Arsenicum			
Arsenicum	1.32 g As2O3 / l 2 to 5% HCl	100 ml 500 ml	CL01.0132.0100 CL01.0132.0500
Arsenicum	1.32 g As2O3 / l 2% KOH	100 ml 500 ml	CL01.0131.0100 CL01.0131.0500
Arsenicum	1.32 g As2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0133.0100 CL01.0133.0500
Barium			
Barium	1.44 g BaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0201.0100 CL01.0201.0500
Barium	1.44 g BaCO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.0202.0100 CL01.0202.0500
Beryllium			
Beryllium	1 g Be / l 2 to 5% HCl	100 ml 500 ml	CL01.0211.0100 CL01.0211.0500
Beryllium	1 g Be / l 2 to 5% HNO3	100 ml 500 ml	CL01.0212.0100 CL01.0212.0500
Bismuth			
Bismuth	1 g Bi / l 2 to 5% HNO3	100 ml 500 ml	CL01.0221.0100 CL01.0221.0500
Boron			
Boron	5.719 g H3BO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0232.0100 CL01.0232.0500
Boron	5.719 g H3BO3 / l H2O	100 ml 500 ml	CL01.0231.0100 CL01.0231.0500
Cadmium			
Cadmium	1 g Cd / l 2 to 5% HNO3	100 ml 500 ml	CL01.0301.0100 CL01.0301.0500

ICP Standards 1 000 mg/L

Calcium			
Calcium	2.5 g CaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0311.0100 CL01.0311.0500
Calcium	2.5 g CaCO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.0312.0100 CL01.0312.0500
Calcium oxide			
Calcium oxide	1.79 g CaCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0313.0100 CL01.0313.0500
Cerium			
Cerium	1.23 g CeO2 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0321.0100 CL01.0321.0500
Cesium			
Cesium	1.226 g Cs2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0331.0100 CL01.0331.0500
Chromium			
Chromium	1 g Cr / l 2 to 5% HCl	100 ml 500 ml	CL01.0361.0100 CL01.0361.0500
Chromium	1 g Cr / l 2 to 5% HNO3	100 ml 500 ml	CL01.0362.0100 CL01.0362.0500
Chromium	2.829 g K2Cr2O7 / l H2O	100 ml 500 ml	CL01.0352.0100 CL01.0352.0500
Cobalt			
Cobalt	1 g Co / l 2 to 5% HCl	100 ml 500 ml	CL01.1122.0100 CL01.1122.0500
Cobalt	1 g Co / l 2 to 5% HNO3	100 ml 500 ml	CL01.1121.0100 CL01.1121.0500
Copper			
Copper	1 g Cu / l 2 to 5% HNO3	100 ml 500 ml	CL01.1131.0100 CL01.1131.0500
Copper	1.26 g CuO / l 2 to 5% HCl	100 ml 500 ml	CL01.1132.0100 CL01.1132.0500
Dysprosium			
Dysprosium	1.15 g Dy2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0431.0100 CL01.0431.0500
Erbium			
Erbium	1.15 g Er2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0501.0100 CL01.0501.0500
Europium			
Europium	1.16 g Eu2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0511.0100 CL01.0511.0500
Gadolinium			
Gadolinium	1.16 g Gd2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0701.0100 CL01.0701.0500
Gallium			
Gallium	1 g Ga / l 2 to 5% HNO3	100 ml 500 ml	CL01.0711.0100 CL01.0711.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 1 000 mg/L

Germanium			
Germanium	1 g Ge / l 2 % KOH	100 ml 500 ml	CL01.0721.0100 CL01.0721.0500
Germanium	1 g Ge / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.0741.0100 CL01.0741.0500
Gold			
Gold	1 g Au / l 10 to 20% HCl	100 ml 500 ml	CL01.0731.0100 CL01.0731.0500
Hafnium			
Hafnium	2.294 g HfOCl2.8H2O / l 2 to 5% HCl	100 ml 500 ml	CL01.0802.0100 CL01.0802.0500
Hafnium	1 g Hf / l 5% HF	100 ml 500 ml	CL01.0801.0100 CL01.0801.0500
Holmium			
Holmium	1.15 g Ho2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0821.0100 CL01.0821.0500
Indium			
Indium	1 g In / l 2 to 5% HNO3	100 ml 500 ml	CL01.0921.0100 CL01.0921.0500
Iridium			
Iridium	1.84 g IrCl3.3H2O / l 10 to 20% HCl	100 ml 500 ml	CL01.0931.0100 CL01.0931.0500
Iron			
Iron	1 g Fe / l 2 to 5% HCl	100 ml 500 ml	CL01.0902.0100 CL01.0902.0500
Iron	1 g Fe / l 2 to 5% HNO3	100 ml 500 ml	CL01.0901.0100 CL01.0901.0500
Iron(III) oxide			
Iron(III) oxide	0.6994 g Fe / l 2 to 5% HNO3	100 ml 500 ml	CL01.0941.0100 CL01.0941.0500
Lanthanum			
Lanthanum	1.18 g La2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1201.0100 CL01.1201.0500
Lanthanum	1.18 g La2O3 / l 2 to 5% HCl	100 ml 500 ml	CL01.1202.0100 CL01.1202.0500
Lead			
Lead	1 g Pb / l 2 to 5% HNO3	100 ml 500 ml	CL01.1221.0100 CL01.1221.0500
Lithium			
Lithium	5.33 g Li2CO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.1211.0100 CL01.1211.0500
Lithium	5.33 g Li2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1212.0100 CL01.1212.0500
Lutetium			
Lutetium	1.14 g Lu2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1231.0100 CL01.1231.0500

ICP Standards 1 000 mg/L

Magnesium			
Magnesium	1 g Mg / l 2 to 5% HNO3	100 ml 500 ml	CL01.1301.0100 CL01.1301.0500
Magnesium	1 g Mg / l 2 to 5% HCl	100 ml 500 ml	CL01.1302.0100 CL01.1302.0500
Magnesium oxide			
Magnesium oxide	0.603 g Mg / l 2 to 5% HNO3	100 ml 500 ml	CL01.1303.0100 CL01.1303.0500
Manganese			
Manganese	1 g Mn / l 2 to 5% HCl	100 ml 500 ml	CL01.1312.0100 CL01.1312.0500
Manganese	1 g Mn / l 2 to 5% HNO3	100 ml 500 ml	CL01.1311.0100 CL01.1311.0500
Manganese(III) oxide			
Manganese(III) oxide	0.696 g Mn / l 2 to 5% HNO3	100 ml 500 ml	CL01.1341.0100 CL01.1341.0500
Mercury			
Mercury	1 g Hg / l 2 to 5% HNO3	100 ml 500 ml	CL01.1151.0100 CL01.1151.0500
Molybdenum			
Molybdenum	2.043 g (NH4)2MoO4 / l 2% NH4OH	100 ml 500 ml	CL01.1332.0100 CL01.1332.0500
Molybdenum	1 g Mo / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.1331.0100 CL01.1331.0500
Neodymium			
Neodymium	1.17 g Nd2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1411.0100 CL01.1411.0500
Nickel			
Nickel	1 g Ni / l 2 to 5% HNO3	100 ml 500 ml	CL01.1421.0100 CL01.1421.0500
Nickel	1.273 g NiO / l 2 to 5% HCl	100 ml 500 ml	CL01.1422.0100 CL01.1422.0500
Niobium			
Niobium	1 g Nb / l 5% HF	100 ml 500 ml	CL01.1431.0100 CL01.1431.0500
Osmium			
Osmium	2.31 g (NH4)2OsCl6 / l 2 to 5% HCl	100 ml 500 ml	CL01.1501.0100 CL01.1501.0500
Palladium			
Palladium	1 g Pd / l 10 to 20% HCl	100 ml 500 ml	CL01.1601.0100 CL01.1601.0500

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 1 000 mg/L

Phosphorus			
Phosphorus	3.164 g H3PO4 / l 2 to 5% HNO3	100 ml 500 ml	CL01.0641.0100 CL01.0641.0500
Phosphorus	4.264 g (NH4)2HPO4 / l H2O	100 ml 500 ml	CL01.0631.0100 CL01.0631.0500
Phosphorus	4.393 g KH2PO4 / l H2O	100 ml 500 ml	CL01.0646.0100 CL01.0646.0500
Phosphorus pentoxide			
Phosphorus pentoxide	1.381 g H3PO4 / l H2O	100 ml 500 ml	CL01.0621.0100 CL01.0621.0500
Platinum			
Platinum	1 g Pt / l 10 to 20% HCl	100 ml 500 ml	CL01.1611.0100 CL01.1611.0500
Potassium			
Potassium	1.907 g KCl / l 2 to 5% HCl	100 ml 500 ml	CL01.1102.0100 CL01.1102.0500
Potassium	2.586 g KNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1101.0100 CL01.1101.0500
Potassium oxide			
Potassium oxide	2.15 g KNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1103.0100 CL01.1103.0500
Praseodymium			
Praseodymium	1.21 g Pr6O11 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1621.0100 CL01.1621.0500
Rhenium			
Rhenium	1 g Re / l 2 to 5% HNO3	100 ml 500 ml	CL01.1802.0100 CL01.1802.0500
Rhenium	1.441 g NH4ReO4 / l H2O	100 ml 500 ml	CL01.1801.0100 CL01.1801.0500
Rhodium			
Rhodium	2.558 g RhCl3.3H2O/ l 10 to 20% HCl	100 ml 500 ml	CL01.1811.0100 CL01.1811.0500
Rubidium			
Rubidium	1.36 g Rb2CO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1822.0100 CL01.1822.0500
Rubidium	1.36 g Rb2CO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.1821.0100 CL01.1821.0500
Ruthenium			
Ruthenium	2.6 g RuCl3.3H2O / l 10 to 20% HCl	100 ml 500 ml	CL01.1831.0100 CL01.1831.0500
Samarium			
Samarium	1.16 g Sm2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1901.0100 CL01.1901.0500
Scandium			
Scandium	1.534 g Sc2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1911.0100 CL01.1911.0500

ICP Standards 1 000 mg/L

Selenium			
Selenium	1 g Se / l 10% HCl	100 ml 500 ml 5 l	CL01.1921.0100 CL01.1921.0500 CL01.1921.5000
Selenium	1 g Se / l 2 to 5% HNO3	100 ml 500 ml	CL01.1922.0100 CL01.1922.0500
Silicium			
Silicium	6.336 g (NH4)2SiF6 / l H2O	100 ml 500 ml	CL01.1999.0100 CL01.1999.0500
Silicium	2.14 g SiO2 / l 2% KOH	100 ml 500 ml	CL01.1931.0100 CL01.1931.0500
Silicium	1 g Si / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.1932.0100 CL01.1932.0500
Silicium	2.14 g SiO2 / l 2% NaOH	100 ml 500 ml	CL01.1935.0100 CL01.1935.0500
Silicium	6.336 g (NH4)2SiF6 / l 5% HF	100 ml 500 ml	CL01.1945.0100 CL01.1945.0500
Silicium dioxide			
Silicium dioxide	2.965 g (NH4)2SiF6 / l 5% HF	100 ml 500 ml	CL01.1942.0100 CL01.1942.0500
Silver			
Silver	1 g Ag / l 2 to 5% HNO3	100 ml 500 ml	CL01.2601.0100 CL01.2601.0500
Sodium			
Sodium	2.542 g NaCl / l 2 to 5% HCl	100 ml 500 ml	CL01.1402.0100 CL01.1402.0500
Sodium	3.698 g NaNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1401.0100 CL01.1401.0500
Sodium oxide			
Sodium oxide	2.75 g NaNO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1403.0100 CL01.1403.0500
Strontium			
Strontium	1.685 g SrCO3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.1962.0100 CL01.1962.0500
Strontium	1.685 g SrCO3 / l 2 to 5% HCl	100 ml 500 ml	CL01.1961.0100 CL01.1961.0500
Sulfur			
Sulfur	4.121 g (NH4)2SO4 / l H2O	100 ml 500 ml	CL01.2641.0100 CL01.2641.0500
Sulfur	3.059 g H2SO4 / l H2O	100 ml 500 ml	CL01.2642.0100 CL01.2642.0500
Tantalum			
Tantalum	1 g Ta / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2002.0100 CL01.2002.0500
Tantalum	1 g Ta / l 5% HF	100 ml 500 ml	CL01.2001.0100 CL01.2001.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 1 000 mg/L

Tellurium			
Tellurium	1 g Te / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2013.0100 CL01.2013.0500
Tellurium	1 g Te / l 2% KOH	100 ml 500 ml	CL01.2011.0100 CL01.2011.0500
Tellurium	1 g Te / l 10 to 20% HCl	100 ml 500 ml	CL01.2012.0100 CL01.2012.0500
Terbium			
Terbium	1.18 g Tb4O7 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2022.0100 CL01.2022.0500
Thallium			
Thallium	1 g Tl / l 2 to 5% HNO3	100 ml 500 ml	CL01.2031.0100 CL01.2031.0500
Thorium			
Thorium	2.46 g Th(NO3)4.5H2O / l 10% HNO3	100 ml 500 ml	CL01.2041.0100 CL01.2041.0500
Thulium			
Thulium	1.15 g Tm2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2051.0100 CL01.2051.0500
Tin			
Tin	1 g Sn / l 1% HF & 2% HNO3	100 ml 500 ml	CL01.2062.0100 CL01.2062.0500
Tin	1 g Sn / l 10 to 20% HCl	100 ml 500 ml	CL01.2061.0100 CL01.2061.0500
Titanium			
Titanium	4.1343 g (NH4)2TiF6 / l H2O	100 ml 500 ml	CL01.4601.0100 CL01.4601.0500
Titanium	1 g Ti / l 5% HF	100 ml 500 ml	CL01.2071.0100 CL01.2071.0500
Titanium	3.962 g TiCl4 / l 10 to 20% HCl	100 ml 500 ml	CL01.2072.0100 CL01.2072.0500
Titanium	1 g Ti / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2075.0100 CL01.2075.0500
Tungsten			
Tungsten	1 g W / l 2 to 5% HNO3 + traces HF	100 ml 500 ml	CL01.2331.0100 CL01.2331.0500
Tungsten	1.261 g WO3 / l 2% NH4OH	100 ml 500 ml	CL01.2302.0100 CL01.2302.0500
Tungsten	1 g W / l 5% HF	100 ml 500 ml	CL01.2301.0100 CL01.2301.0500
Vanadium			
Vanadium	1 g V / l 2 to 5% HNO3	100 ml 500 ml	CL01.2201.0100 CL01.2201.0500
Ytterbium			
Ytterbium	1.14 g Yb2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2501.0100 CL01.2501.0500

ICP Standards 1 000 mg/L

Yttrium

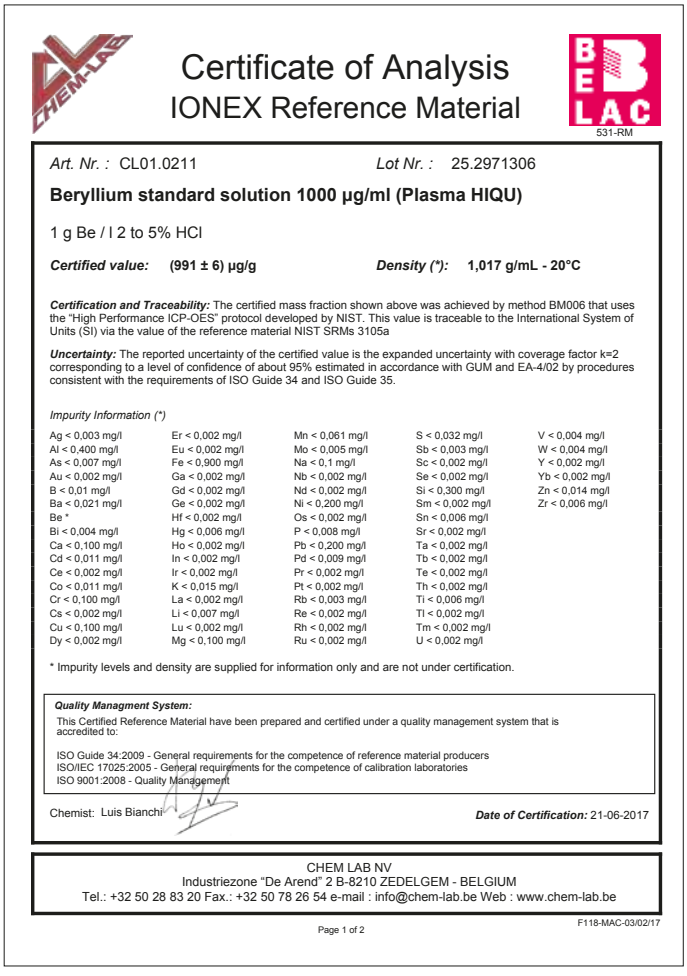
Yttrium	1.27 g Y2O3 / l 2 to 5% HNO3	100 ml 500 ml	CL01.2511.0100 CL01.2511.0500

Zinc

Zinc	1 g Zn / l 2 to 5% HCl	100 ml 500 ml	CL01.2612.0100 CL01.2612.0500
Zinc	1 g Zn / l 2 to 5% HNO3	100 ml 500 ml	CL01.2611.0100 CL01.2611.0500

Zirconium

Zirconium	3.533 g ZrOCl2.8H2O / l 2 to 5% HCl	100 ml 500 ml	CL01.2632.0100 CL01.2632.0500
Zirconium	1 g Zr / l 5% HF	100 ml 500 ml	CL01.2631.0100 CL01.2631.0500
Zirconium	1 g Zr / l 2 5% HNO3 + traces HF	100 ml 500 ml	CL01.2672.0100 CL01.2672.0500



Certificate of Analysis
IONEX Reference Material

531-RM

Art. Nr. : CL01.0211 *Lot Nr. :* 25.2971306

Beryllium standard solution 1000 µg/ml (Plasma HIQU)

1 g Be / l 2 to 5% HCl

Certified value: **(991 ± 6) µg/g** ***Density (*):*** **1,017 g/mL - 20°C**

Certification and Traceability: The certified mass fraction shown above was achieved by method BM006 that uses the "High Performance ICP-OES" protocol developed by NIST. This value is traceable to the International System of Units (SI) via the value of the reference material NIST SRMs 3105a

Uncertainty: The reported uncertainty of the certified value is the expanded uncertainty with coverage factor k=2 corresponding to a level of confidence of about 95% estimated in accordance with GUM and EA-4/02 by procedures consistent with the requirements of ISO Guide 34 and ISO Guide 35.

Impurity Information (*)

Ag < 0,003 mg/l	Er < 0,002 mg/l	Mn < 0,061 mg/l	S < 0,032 mg/l	V < 0,004 mg/l
Al < 0,400 mg/l	Eu < 0,002 mg/l	Mo < 0,005 mg/l	Sb < 0,003 mg/l	W < 0,004 mg/l
As < 0,007 mg/l	Fe < 0,900 mg/l	Na < 0,1 mg/l	Sc < 0,002 mg/l	Y < 0,002 mg/l
Au < 0,002 mg/l	Ga < 0,002 mg/l	Nb < 0,002 mg/l	Se < 0,002 mg/l	Yb < 0,002 mg/l
B < 0,01 mg/l	Gd < 0,002 mg/l	Nd < 0,002 mg/l	Si < 0,300 mg/l	Zn < 0,014 mg/l
Ba < 0,021 mg/l	Ge < 0,002 mg/l	Ni < 0,200 mg/l	Sm < 0,002 mg/l	Zr < 0,006 mg/l
Be *	Hf < 0,002 mg/l	Os < 0,002 mg/l	Sn < 0,006 mg/l	
Bi < 0,004 mg/l	Hg < 0,006 mg/l	P < 0,008 mg/l	Sr < 0,002 mg/l	
Ca < 0,100 mg/l	Ho < 0,002 mg/l	Pb < 0,200 mg/l	Ta < 0,002 mg/l	
Cd < 0,011 mg/l	In < 0,002 mg/l	Pd < 0,009 mg/l	Tb < 0,002 mg/l	
Ce < 0,002 mg/l	Ir < 0,002 mg/l	Pr < 0,002 mg/l	Te < 0,002 mg/l	
Co < 0,011 mg/l	K < 0,015 mg/l	Pt < 0,002 mg/l	Th < 0,002 mg/l	
Cr < 0,100 mg/l	La < 0,002 mg/l	Rb < 0,003 mg/l	Ti < 0,006 mg/l	
Cs < 0,002 mg/l	Li < 0,007 mg/l	Re < 0,002 mg/l	Tl < 0,002 mg/l	
Cu < 0,100 mg/l	Lu < 0,002 mg/l	Rh < 0,002 mg/l	Tm < 0,002 mg/l	
Dy < 0,002 mg/l	Mg < 0,100 mg/l	Ru < 0,002 mg/l	U < 0,002 mg/l	

* Impurity levels and density are supplied for information only and are not under certification.

Quality Managment System:
This Certified Reference Material have been prepared and certified under a quality management system that is accredited to:

ISO Guide 34:2009 - General requirements for the competence of reference material producers
ISO/IEC 17025:2005 - General requirements for the competence of calibration laboratories
ISO 9001:2008 - Quality Management

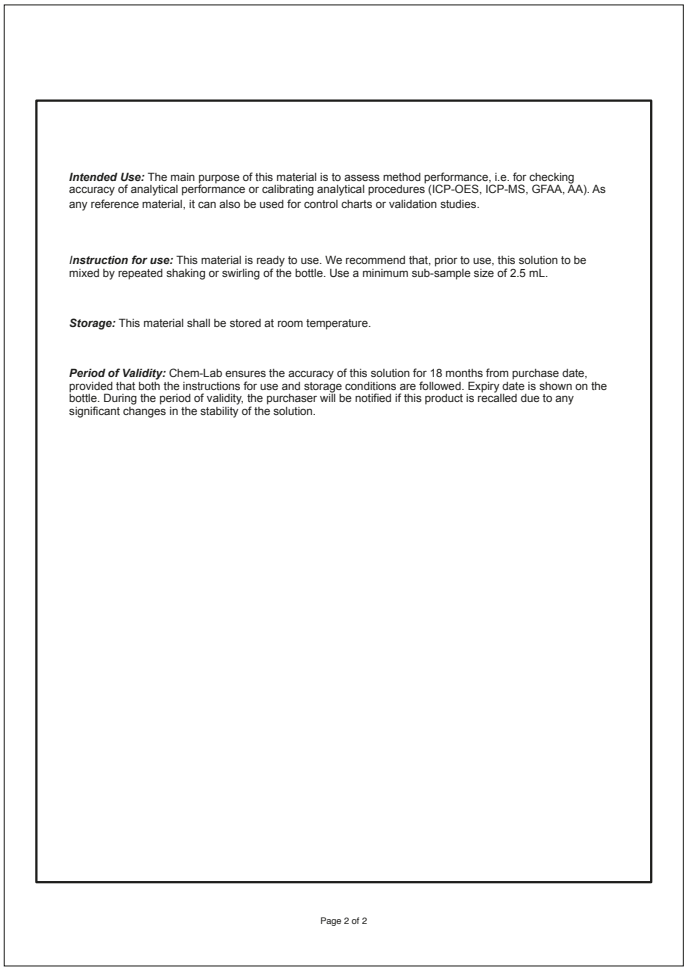
Chemist: Luis Bianchi

Date of Certification: 21-06-2017

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F118-MAC-03/02/17

Page 1 of 2



Intended Use: The main purpose of this material is to assess method performance, i.e. for checking accuracy of analytical performance or calibrating analytical procedures (ICP-OES, ICP-MS, GFAA, AA). As any reference material, it can also be used for control charts or validation studies.

Instruction for use: This material is ready to use. We recommend that, prior to use, this solution to be mixed by repeated shaking or swirling of the bottle. Use a minimum sub-sample size of 2.5 mL.

Storage: This material shall be stored at room temperature.

Period of Validity: Chem-Lab ensures the accuracy of this solution for 18 months from purchase date, provided that both the instructions for use and storage conditions are followed. Expiry date is shown on the bottle. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Page 2 of 2

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

ICP Standards 100 mg/L

Aluminium			
Aluminium	100 mg Al / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0101.100.0100 CL01.0101.100.0500
Antimony			
Antimony	100 mg Sb / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.0121.100.0100 CL01.0121.100.0500
Arsenicum			
Arsenicum	132 mg As2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0133.100.0100 CL01.0133.100.0500
Barium			
Barium	144 mg BaCO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0201.100.0100 CL01.0201.100.0500
Beryllium			
Beryllium	100 mg Be / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0212.100.0100 CL01.0212.100.0500
Boron			
Boron	571.9 mg H3BO3 / l H2O (Keep Cool !)	100 ml 500 ml	CL01.0231.100.0100 CL01.0231.100.0500
Cadmium			
Cadmium	100 mg Cd / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0301.100.0100 CL01.0301.100.0500
Calcium			
Calcium	250 mg CaCO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0311.100.0100 CL01.0311.100.0500
Cerium			
Cerium	123 mg CeO2 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0321.100.0100 CL01.0321.100.0500
Cesium			
Cesium	122.6 mg Cs2CO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0331.100.0100 CL01.0331.100.0500
Chromium			
Chromium	100 mg Cr / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0362.100.0100 CL01.0362.100.0500
Cobalt			
Cobalt	100 mg Co / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1121.100.0100 CL01.1121.100.0500
Copper			
Copper	100 mg Cu / l 1% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1131.100.0100 CL01.1131.100.0500
Dysprosium			
Dysprosium	115 mg Dy2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0431.100.0100 CL01.0431.100.0500
Erbium			
Erbium	115 mg Er2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0501.100.0100 CL01.0501.100.0500

ICP Standards 100 mg/L

Europium			
Europium	116 mg Eu2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0511.100.0100 CL01.0511.100.0500
Gadolinium			
Gadolinium	116 mg Gd2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0701.100.0100 CL01.0701.100.0500
Gallium			
Gallium	100 mg Ga / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0711.100.0100 CL01.0711.100.0500
Germanium			
Germanium	100 mg Ge / l 2 % KOH (Keep Cool !)	100 ml 500 ml	CL01.0721.100.0100 CL01.0721.100.0500
Germanium	100 mg Ge / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.0741.100.0100 CL01.0741.100.0500
Gold			
Gold	100 mg Au / l 10 to 20% HCl (Keep Cool !)	100 ml	CL01.0731.100.0100
Hafnium			
Hafnium	229.4 mg HfOCl2.8H2O / l 2 to 5% HCl (Keep Cool !)	100 ml 500 ml	CL01.0802.100.0100 CL01.0802.100.0500
Hafnium	100 mg Hf / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.0801.100.0100 CL01.0801.100.0500
Holmium			
Holmium	115 mg Ho2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0821.100.0100 CL01.0821.100.0500
Indium			
Indium	100 mg In / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0921.100.0100 CL01.0921.100.0500
Iridium			
Iridium	184 mg IrCl3.3H2O / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.0931.100.0100 CL01.0931.100.0500
Iron			
Iron	100 mg Fe / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0901.100.0100 CL01.0901.100.0500
Lanthanum			
Lanthanum	118 mg La2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1201.100.0100 CL01.1201.100.0500
Lead			
Lead	100 mg Pb / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1221.100.0100 CL01.1221.100.0500
Lithium			
Lithium	533 mg Li2CO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1212.100.0100 CL01.1212.100.0500
Lutetium			
Lutetium	114 mg Lu2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1231.100.0100 CL01.1231.100.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 100 mg/L

Magnesium			
Magnesium	100 mg Mg / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1301.100.0100 CL01.1301.100.0500
Manganese			
Manganese	100 mg Mn / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1311.100.0100 CL01.1311.100.0500
Mercury			
Mercury	100 mg Hg / l 0.1 mol HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1151.100.0100 CL01.1151.100.0500
Molybdenum			
Molybdenum	100 mg Mo / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.1331.100.0100 CL01.1331.100.0500
Neodymium			
Neodymium	117 mg Nd2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1411.100.0100 CL01.1411.100.0500
Nickel			
Nickel	100 mg Ni / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1421.100.0100 CL01.1421.100.0500
Niobium			
Niobium	100 mg Nb / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.1431.100.0100 CL01.1431.100.0500
Osmium			
Osmium	231 mg (NH4)2OsCl6 / l 2 to 5% HCl (Keep Cool !)	100 ml 500 ml	CL01.1501.100.0100 CL01.1501.100.0500
Palladium			
Palladium	100 mg Pd / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1602.100.0100 CL01.1602.100.0500
Phosphorus			
Phosphorus	316.4 mg H3PO4 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0641.100.0100 CL01.0641.100.0500
Platinum			
Platinum	100 mg Pt / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.1611.100.0100 CL01.1611.100.0500
Potassium			
Potassium	258.6 mg KNO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1101.100.0100 CL01.1101.100.0500
Praseodymium			
Praseodymium	121 mg Pr6O11 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1621.100.0100 CL01.1621.100.0500
Rhenium			
Rhenium	100 mg Re / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1802.100.0100 CL01.1802.100.0500
Rhodium			
Rhodium	255.8 mg RhCl3.3H2O/ l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.1811.100.0100 CL01.1811.100.0500

ICP Standards 100 mg/L

Rubidium			
Rubidium	136 mg Rb2CO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1822.100.0100 CL01.1822.100.0500
Ruthenium			
Ruthenium	260 mg RuCl3.3H2O / l 5% HCl (Keep Cool !)	100 ml 500 ml	CL01.1831.100.0100 CL01.1831.100.0500
Samarium			
Samarium	116 mg Sm2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1901.100.0100 CL01.1901.100.0500
Scandium			
Scandium	153.4 mg Sc2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1911.100.0100 CL01.1911.100.0500
Selenium			
Selenium	100 mg Se / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1922.100.0100 CL01.1922.100.0500
Silicium			
Silicium	100 mg Si / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.1932.100.0100 CL01.1932.100.0500
Silver			
Silver	100 mg Ag / l 10% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2601.100.0100 CL01.2601.100.0500
Sodium			
Sodium	369.8 mg NaNO3 / l 1% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1401.100.0100 CL01.1401.100.0500
Sulfur			
Sulfur	305.9 mg H2SO4 / l H2O (Keep Cool !)	100 ml 500 ml	CL01.2642.100.0100 CL01.2642.100.0500
Tantalum			
Tantalum	100 mg Ta / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2002.100.0100 CL01.2002.100.0500
Tellurium			
Tellurium	100 mg Te / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2013.100.0100 CL01.2013.100.0500
Terbium			
Terbium	118 mg Tb4O7 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2022.100.0100 CL01.2022.100.0500
Thallium			
Thallium	100 mg Tl / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2031.100.0100 CL01.2031.100.0500
Thorium			
Thorium	246 mg Th(NO3)4.5H2O / l 10% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2041.100.0100 CL01.2041.100.0500
Thulium			
Thulium	115 mg Tm2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2051.100.0100 CL01.2051.100.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 100 mg/L

Tin				
Tin	100 mg Sn / l 1% HF & 2% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2062.100.0100 CL01.2062.100.0500	
Titanium				
Titanium	100 mg Ti / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2075.100.0100 CL01.2075.100.0500	
Tungsten				
Tungsten	100 mg W / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.2301.100.0100 CL01.2301.100.0500	
Vanadium				
Vanadium	100 mg V / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2201.100.0100 CL01.2201.100.0500	
Ytterbium				
Ytterbium	114 mg Yb2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2501.100.0100 CL01.2501.100.0500	
Yttrium				
Yttrium	127 mg Y2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2511.100.0100 CL01.2511.100.0500	
Zinc				
Zinc	100 mg Zn / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2611.100.0100 CL01.2611.100.0500	
Zirconium				**NEW**
Zirconium	100 mg Zr / l 2 à 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2672.100.0100 CL01.2672.100.0500	

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

ICP Standards 10 mg/L

Arsenicum			
Arsenicum	13.2 mg As2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0133.010.0100 CL01.0133.010.0500
Aluminium			
Aluminium	10 mg Al / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0101.010.0100 CL01.0101.010.0500
Antimony			
Antimony	10 mg Sb / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.0121.010.0100 CL01.0121.010.0500
Barium			
Barium	14.4 mg BaCO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0201.010.0100 CL01.0201.010.0500
Beryllium			
Beryllium	10 mg Be / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0212.010.0100 CL01.0212.010.0500
Bismuth			
Bismuth	10 mg Bi / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0221.010.0100 CL01.0221.010.0500
Boron			
Boron	57.19 mg H3BO3 / l H2O (Keep Cool !)	100 ml 500 ml	CL01.0231.010.0100 CL01.0231.010.0500
Cadmium			
Cadmium	10 mg Cd / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0301.010.0100 CL01.0301.010.0500
Calcium			
Calcium	25 mg CaCO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0311.010.0100 CL01.0311.010.0500
Cerium			
Cerium	12.3 mg CeO2 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0321.010.0100 CL01.0321.010.0500
Cesium			
Cesium	12.26 mg Cs2CO3 / l 2 to 5% HNO (Keep Cool !)	100 ml 500 ml	CL01.0331.010.0100 CL01.0331.010.0500
Chromium			
Chromium	10 mg Cr / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0362.010.0100 CL01.0362.010.0500
Cobalt			
Cobalt	10 mg Co / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1121.010.0100 CL01.1121.010.0500
Copper			
Copper	10 mg Cu / l 1% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1131.010.0100 CL01.1131.010.0500
Dysprosium			
Dysprosium	11.5 mg Dy2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0431.010.0100 CL01.0431.010.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 10 mg/L

Erbium			
Erbium	11.5 mg Er_2O_3 / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0501.010.0100 CL01.0501.010.0500
Europium			
Europium	11.6 mg Eu_2O_3 / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0511.010.0100 CL01.0511.010.0500
Gadolinium			
Gadolinium	11.6 mg Gd_2O_3 / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0701.010.0100 CL01.0701.010.0500
Gallium			
Gallium	10 mg Ga / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0711.010.0100 CL01.0711.010.0500
Germanium			
Germanium	10 mg Ge / l 2 % KOH (Keep Cool !)	100 ml 500 ml	CL01.0721.010.0100 CL01.0721.010.0500
Germanium	10 mg Ge / l 2 to 5% HNO_3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.0741.010.0100 CL01.0741.010.0500
Gold			
Gold	10 mg Au / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.0731.010.0100 CL01.0731.010.0500
Hafnium			
Hafnium	10 mg Hf / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.0801.010.0100 CL01.0801.010.0500
Hafnium	22.94 mg $HfOCl_2.8H_2O$ / l 2 to 5% HCl (Keep Cool !)l	100 ml 500 ml	CL01.0802.010.0100 CL01.0802.010.0500
Holmium			
Holmium	11.5 mg Ho_2O_3 / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0821.010.0100 CL01.0821.010.0500
Indium			
Indium	10 mg In / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0921.010.0100 CL01.0921.010.0500
Iridium			
Iridium	18.4 mg $IrCl_3.3H_2O$ / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.0931.010.0100 CL01.0931.010.0500
Iron			
Iron	10 mg Fe / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.0901.010.0100 CL01.0901.010.0500
Lanthanum			
Lanthanum	11.8 mg La_2O_3 / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.1201.010.0100 CL01.1201.010.0500
Lead			
Lead	10 mg Pb / l 2 to 5% HNO_3 (Keep Cool !)	100 ml 500 ml	CL01.1221.010.0100 CL01.1221.010.0500

ICP Standards 10 mg/L

Lithium			
Lithium	53.3 mg Li2CO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1212.010.0100 CL01.1212.010.0500
Lutetium			
Lutetium	11.4 mg Lu2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1231.010.0100 CL01.1231.010.0500
Magnesium			
Magnesium	10 mg Mg / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1301.010.0100 CL01.1301.010.0500
Manganese			
Manganese	10 mg Mn / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1311.010.0100 CL01.1311.010.0500
Mercury			**NEW**
Mercury	10 mg Hg / l 10% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1151.010.0100 CL01.1151.010.0500
Molybdenum			
Molybdenum	10 mg Mo / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.1331.010.0100 CL01.1331.010.0500
Neodymium			
Neodymium	11.7 mg Nd2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1411.010.0100 CL01.1411.010.0500
Nickel			
Nickel	10 mg Ni / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1421.010.0100 CL01.1421.010.0500
Niobium			
Niobium	10 mg Nb / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.1431.010.0100 CL01.1431.010.0500
Osmium			
Osmium	23.1 mg (NH4)2OsCl6 / l 2 to 5% HCl (Keep Cool !)	100 ml 500 ml	CL01.1501.010.0100 CL01.1501.010.0500
Palladium			
Palladium	10 mg Pd / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1602.010.0100 CL01.1602.010.0500
Phosphorus			
Phosphorus	31.64 mg H3PO4 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.0641.010.0100 CL01.0641.010.0500
Platinum			
Platinum	10 mg Pt / l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.1611.010.0100 CL01.1611.010.0500
Potassium			
Potassium	25.6 mg KNO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1101.010.0100 CL01.1101.010.0500
Praseodymium			
Praseodymium	12.1 mg Pr6O11 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1621.010.0100 CL01.1621.010.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ICP Standards 10 mg/L

Rhenium			
Rhenium	10 mg Re / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1802.010.0100 CL01.1802.010.0500
Rhodium			
Rhodium	25.58 mg RhCl3.3H2O/ l 10 to 20% HCl (Keep Cool !)	100 ml 500 ml	CL01.1811.010.0100 CL01.1811.010.0500
Rubidium			
Rubidium	13.6 mg Rb2CO3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1822.010.0100 CL01.1822.010.0500
Ruthenium			
Ruthenium	26 mg RuCl3.3H2O / l 5% HCl (Keep Cool !)	100 ml 500 ml	CL01.1831.010.0100 CL01.1831.010.0500
Samarium			
Samarium	11.6 mg Sm2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1901.010.0100 CL01.1901.010.0500
Scandium			
Scandium	15.34 mg Sc2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1911.010.0100 CL01.1911.010.0500
Selenium			
Selenium	10 mg Se / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1922.010.0100 CL01.1922.010.0500
Silicium			
Silicium	10 mg Si / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.1932.010.0100 CL01.1932.010.0500
Silver			
Silver	10 mg Ag / l 10% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2601.010.0100 CL01.2601.010.0500
Sodium			
Sodium	36.98 mg NaNO3 / l 1% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.1401.010.0100 CL01.1401.010.0500
Sulfur			
Sulfur	30.59 mg H2SO4 / l H2O (Keep Cool !)	100 ml 500 ml	CL01.2642.010.0100 CL01.2642.010.0500
Tantalum			
Tantalum	10 mg Ta / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2002.010.0100 CL01.2002.010.0500
Tellurium			
Tellurium	10 mg Te / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2013.010.0100 CL01.2013.010.0500
Terbium			
Terbium	11.8 mg Tb4O7 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2022.010.0100 CL01.2022.010.0500
Thallium			
Thallium	10 mg Tl / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2031.010.0100 CL01.2031.010.0500

ICP Standards 10 mg/L

Thorium			
Thorium	24.6 mg Th(NO3)4.5H2O / l 10% HNO3 (Keep Cool !)	100 ml	CL01.2041.010.0100
Thulium			
Thulium	11.5 mg Tm2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2051.010.0100 CL01.2051.010.0500
Tin			
Tin	10 mg Sn / l 1% HF & 2% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2062.010.0100 CL01.2062.010.0500
Titanium			
Titanium	10 mg Ti / l 2 to 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2075.010.0100 CL01.2075.010.0500
Tungsten			
Tungsten	10 mg W / l 5% HF (Keep Cool !)	100 ml 500 ml	CL01.2301.010.0100 CL01.2301.010.0500
Vanadium			
Vanadium	10 mg V / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2201.010.0100 CL01.2201.010.0500
Ytterbium			
Ytterbium	11.4 mg Yb2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2501.010.0100 CL01.2501.010.0500
Yttrium			
Yttrium	12.7 mg Y2O3 / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2511.010.0100 CL01.2511.010.0500
Zinc			
Zinc	10 mg Zn / l 2 to 5% HNO3 (Keep Cool !)	100 ml 500 ml	CL01.2611.010.0100 CL01.2611.010.0500
Zirconium			**NEW**
Zirconium	10 mg Zr / l 2 à 5% HNO3 + traces HF (Keep Cool !)	100 ml 500 ml	CL01.2672.010.0100 CL01.2672.010.0500

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Quality Control Standards & Second Source Multi Element Standards

Multi Element ICP QC Standard sol. (QCS-27) (27E) — CL01.13612

*ICP Quality Control Standard (QCS) Contains 27 elements in 2 to 5% HNO3 + traces HF (QCS-27)

Density 1.02 g/ml **UN** 3264
HS Nr 38220000 **ADR** 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Boron (B)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Potassium (K)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Silicon (Si)	: 100 mg/l
Silver (Ag)	: 100 mg/l
Strontium (Sr)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13612.0100	100 ml	PE
CL01.13612.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-23) (23E) — CL01.13610

*ICP Quality Control Standard (QCS) Contains 23 elements in 2 to 5% HNO3 + traces HF (QCS-23)

Density 1.02 g/ml **UN** 3264
HS Nr 38220000 **ADR** 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Potassium (K)	: 1000 mg/l
Aluminium (Al)	: 100 mg/l
Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Boron (B)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13610.0100	100 ml	PE
CL01.13610.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-01) (23E) — CL01.13601

*ICP-Quality Control Standard # 1 (QCS) Contains 23 elements in 5% HNO3 + traces HF (QCS-01)

Density 1.02 g/ml **UN** 3264
HS Nr 38220000 **ADR** 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Lithium (Li)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Phosphorus (P)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Strontium (Sr)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Tin (Sn)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13601.0100	100 ml	PE
CL01.13601.0500	500 ml	PE/H

Quality Control Standards & Second Source Multi Element Standards

Multi Element ICP ASL QC Standard sol. (QCS-ASL-21) (21E)

NEW CL01.13609

*ICP Alternative Source Line Quality Control Standard (QCS) Contains 21 elements in 2 to 5% HNO3 + traces HF (QCS-ASL-21)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Lithium (Li)	: 100 ppm
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l

Nickel (Ni)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Strontium (Sr)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13609.0100	100 ml	PE
CL01.13609.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-04) (19E)

NEW CL01.13604

*ICP Quality Control Multi-Elemental Standard I (QCS) Contains 19 elements in 5% HNO3 (QCS-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Barium (Ba)	: 5 mg/l
Beryllium (Be)	: 1 mg/l
Bismuth (Bi)	: 200 mg/l
Boron (B)	: 15 mg/l
Cadmium (Cd)	: 20 mg/l
Chromium (Cr)	: 25 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Gallium (Ga)	: 150 mg/l
Indium (In)	: 200 mg/l
Iron (Fe)	: 15 mg/l
Lead (Pb)	: 200 mg/l

Manganese (Mn)	: 5 mg/l
Nickel (Ni)	: 50 mg/l
Silver (Ag)	: 50 mg/l
Strontium (Sr)	: 1 mg/l
Thallium (Tl)	: 400 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13604.0100	100 ml	PE
CL01.13604.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-19) (19E)

CL01.13608

*ICP Quality Control Standard (QCS) Contains 19 elements in 2 to 5% HNO3 + traces HF (QCS-19)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l

Nickel (Ni)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13608.0100	100 ml	PE
CL01.13608.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Quality Control Standards & Second Source Multi Element Standards

Multi Element ICP QC Standard sol. (QCS-03) (15E) — CL01.13603

*ICP Quality Control Standard (QCS) Contains 15 elements in 5% HNO3 (QCS-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13603.0100	100 ml	PE
CL01.13603.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-02) (7E) — CL01.13602

*ICP-Quality Control Standard # 2 (QCS) Contains 7 elements in 5% HNO3 + traces HF (QCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Boron (B)	: 100 mg/l
Potassium (K)	: 1000 mg/l
Silicon (Si)	: 500 mg/l
Silver (Ag)	: 50 mg/l
Sodium (Na)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13602.0100	100 ml	PE
CL01.13602.0500	500 ml	PE/H

Multi Element ICP ASL QC Standard sol. (QCS-ASL-7) (7E) — CL01.13607

*ICP Alternative Source Line Quality Control Standard (QCS) Contains 7 elements in 2 to 5% HNO3 + traces HF (QCS-ASL-7)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Barium (Ba)	: 100mg/l
Boron (B)	: 100 mg/l
Potassium (K)	: 1000 mg/l
Silicon (Si)	: 50 mg/l
Silver (Ag)	: 100 mg/l
Sodium (Na)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13607.0100	100 ml	PE
CL01.13607.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-06) (4E) — CL01.13606

ICP Quality Control Multi-Elemental Standard III (QCS) Contains 4 elements in 2% HNO3 (QCS-06)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Barium (Ba)	: 1000 mg/l
Calcium (Ca)	: 1000 mg/l
Magnesium (Mg)	: 1000 mg/l
Strontium (Sr)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13606.0100	100 ml	PE
CL01.13606.0500	500 ml	PE/H

Quality Control Standards & Second Source Multi Element Standards

Multi Element ICP QC Standard sol. (QCS-05) (3E) — CL01.13605

*ICP Quality Control Multi-Elemental Standard II (QCS) Contains 3 elements in 2% HNO3 (QCS-05)

Density 1.02 g/ml
HS Nr 38220000

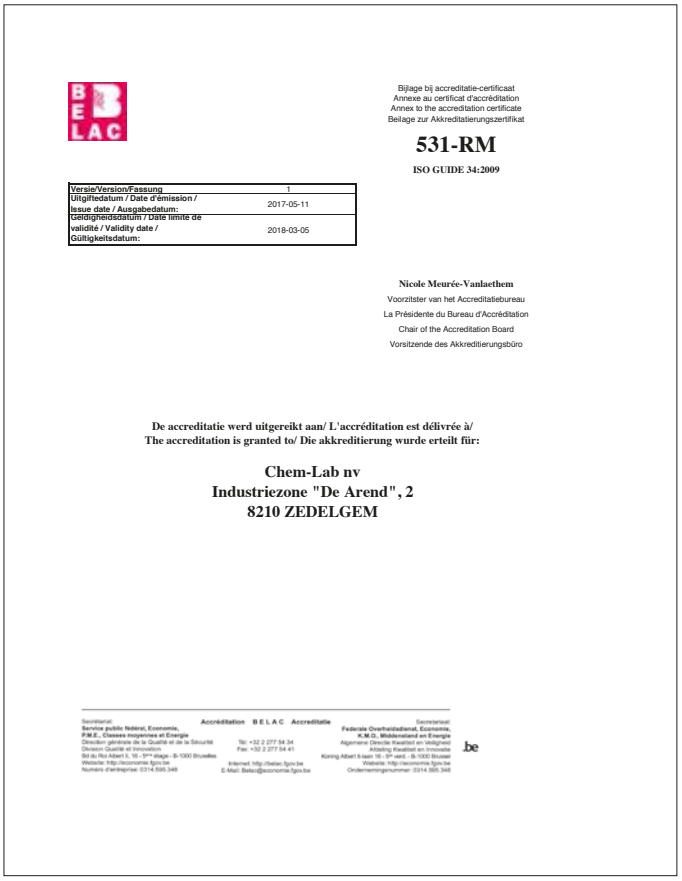
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Lithium (Li)	: 250 mg/l
Potassium (K)	: 10000 mg/l
Sodium (Na)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13605.0100	100 ml	PE
CL01.13605.0500	500 ml	PE/H



Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-RM

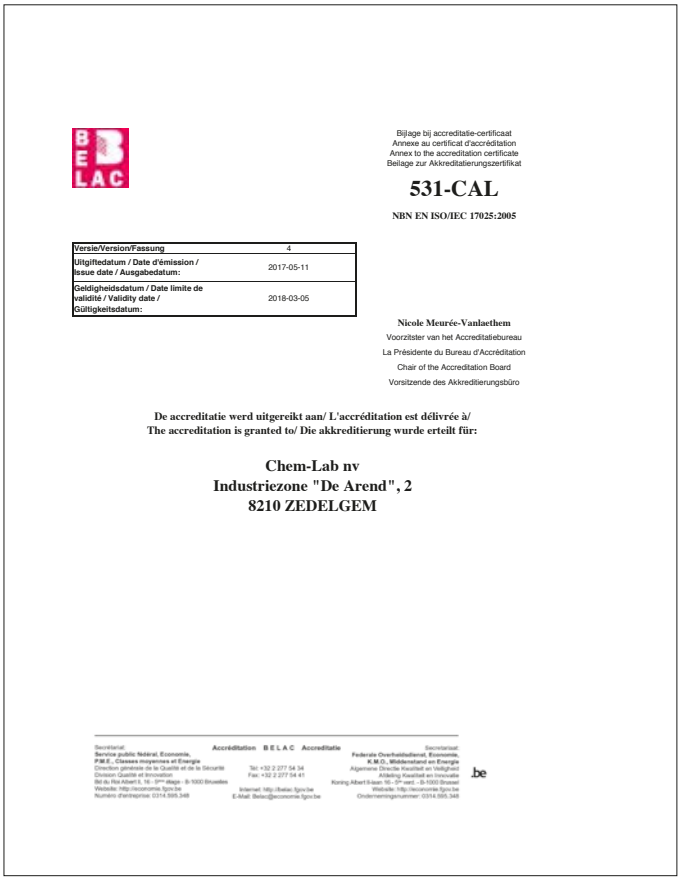
ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/ The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM



Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/ The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

Instrument Check Multi Element Standards

Multi Element ICP SQS Standard sol. (SQS-02) (34E) — CL01.13632

*ICP Instrument Screening Solution II (SQS) — Contains 34 elements in 2 to 5% HNO3 + traces HCl & HF (SQS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Gold (Au)	: 10 mg/l
Boron (B)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cobalt (Co)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Caesium (Cs)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Iron (Fe)	: 10 mg/l
Germanium (Ge)	: 10 mg/l
Hafnium (Hf)	: 10 mg/l
Iridium (Ir)	: 10 mg/l
Potassium (K)	: 10 mg/l
Lithium (Li)	: 10 mg/l
Manganese (Mn)	: 10 mg/l
Molybdenum (Mo)	: 10 mg/l
Niobium (Nb)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Palladium (Pd)	: 10 mg/l
Platinum (Pt)	: 10 mg/l
Rubidium (Rb)	: 10 mg/l
Rhenium (Re)	: 10 mg/l
Rhodium (Rh)	: 10 mg/l

Ruthenium (Ru)	: 10 mg/l
Sulfur (S)	: 10 mg/l
Antimony (Sb)	: 10 mg/l
Silicon (Si)	: 10 mg/l
Tin (Sn)	: 10 mg/l
Tantalum (Ta)	: 10 mg/l
Tellurium (Te)	: 10 mg/l
Titanium (Ti)	: 10 mg/l
Vanadium (V)	: 10 mg/l
Tungsten (W)	: 10 mg/l
Zinc (Zn)	: 10 mg/l
Zirconium (Zr)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13632.0100	100 ml	PE
CL01.13632.0500	500 ml	PE/H

Multi Element ICP SQS Standard sol. (SQS-01) (33E) — CL01.13631

*ICP Instrument Screening Solution I (SQS) — Contains 33 elements in 2 to 5% HNO3 + traces HF (SQS-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Barium (Ba)	: 10 mg/l
Bismuth (Bi)	: 10 mg/l
Calcium (Ca)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Cerium (Ce)	: 10 mg/l
Dysprosium (Dy)	: 10 mg/l
Erbium (Er)	: 10 mg/l
Europium (Eu)	: 10 mg/l
Gallium (Ga)	: 10 mg/l
Gadolinium (Gd)	: 10 mg/l
Holmium (Ho)	: 10 mg/l
Indium (In)	: 10 mg/l
Lanthanum (La)	: 10 mg/l
Lutetium (Lu)	: 10 mg/l
Magnesium (Mg)	: 10 mg/l
Sodium (Na)	: 10 mg/l
Neodymium (Nd)	: 10 mg/l
Phosphorus (P)	: 10 mg/l
Lead (Pb)	: 10 mg/l

Praseodymium (Pr)	: 10 mg/l
Scandium (Sc)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Samarium (Sm)	: 10 mg/l
Strontium (Sr)	: 10 mg/l
Terbium (Tb)	: 10 mg/l
Thorium (Th)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Thulium (Tm)	: 10 mg/l
Uranium (U)	: 10 mg/l
Yttrium (Y)	: 10 mg/l
Ytterbium (Yb)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13631.0100	100 ml	PE
CL01.13631.0500	500 ml	PE/H

Instrument Check Multi Element Standards

Multi Element ICP SQS Standard sol. (SQS-03) (2E) — CL01.13633

*ICP Instrument Screening Solution III (SQS) Contains 2 elements in 2 to 5% HNO3 (SQS-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Mercury (Hg)	: 10 mg/l
Silver (Ag)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13633.0100	100 ml	PE
CL01.13633.0500	500 ml	PE/H

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL01.13609 *Lot Nr. :* 25.7403105

Multi Element ICP ASL QC Standard sol. (QCS-ASL-21) (21E)
Contains 21 elements in 2 to 5% HNO3 + traces HF (QCS-ASL-21)

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001 using certified single element solutions that are directly traceable to SI via the NIST SRMs listed on the second page. These certified values are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by IC or ICP-OES.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 1% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Certified values:

Sb: 100 mg/l
As: 100 mg/l
Be: 100 mg/l
Cd: 100 mg/l
Ca: 100 mg/l
Cr: 100 mg/l
Co: 100 mg/l
Cu: 100 mg/l
Fe: 100 mg/l
Pb: 100 mg/l
Li: 100 pmm
Mg: 100 mg/l
Mn: 100 mg/l
Mo: 100 mg/l
Ni: 100 mg/l
Se: 100 mg/l
Sr: 100 mg/l
Tl: 100 mg/l
Ti: 100 mg/l
V: 100 mg/l
Zn: 100 mg/l

Quality Managment System:
Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principle of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025: 2005

Chemist: Luis Bianchi

Date of release: 31 May 2017
Expires: May-2020

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Chem-Lab multi-element standards are compared against the following NIST SRMs

Element	Aq. SRM	Oil SRM
Ag	3151	1077a
Al	3101a	1075a
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	1051b
Be	3105a	3105a
Bi	3106	3106
Br-	3184	-
Ca	3109a	3109
Cd	3108	1053a
Ce	3110	-
Cl-	919b	-
Co	3113	3113
Cr	3112a	1078b
Cs	3111a	-
Cu	3114	1080a
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F-	3183	-
Fe	3126a	1079b
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	-
K	3141a	3141a
La	3127a	3127a
Li	3129a	1060a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	1069b

Element	Aq. SRM	Oil SRM
Nb	3137	-
Nd	3135a	-
Ni	3136	1065b
NO3-	3185	-
NO2-	136e	-
P	3139a	1071b
Pb	3128	1059c
Pd	3138	-
PO4-3	3186	-
Pr	3142a	-
Pt	3140	-
Rb	3145a	-
Re	3143	-
Rh	3144	-
S	3154	3154
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	1066a
Sm	3147a	-
Sn	3161a	1057b
SO4-2	3181	-
Sr	3153a	1070a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	3159	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	1052b
W	3163	-
Y	3167a	3167a
Tb	3166a	-
Zn	3168a	1073b
Zr	3169	3169

D.:1.02 g/ml

Sb: 100 mg/l
As: 100 mg/l
Be: 100 mg/l
Cd: 100 mg/l
Ca: 100 mg/l
Cr: 100 mg/l
Co: 100 mg/l
Cu: 100 mg/l
Fe: 100 mg/l
Pb: 100 mg/l
Li: 100 pmm
Mg: 100 mg/l
Mn: 100 mg/l
Mo: 100 mg/l
Ni: 100 mg/l
Se: 100 mg/l
Sr: 100 mg/l
Tl: 100 mg/l
Ti: 100 mg/l
V: 100 mg/l
Zn: 100 mg/l

For measured values see certificate

UN 3264

PE/H 500

CL01.13609.0500
500 ml
Batch Nr.: 25.7403105
Exp. Date: 05-2020
Storage: RT

Multi Element ICP ASL QC Standard sol. (QCS-ASL-21) (21E)
Multi Element ICP ASL QC Standaard opl. (21E)
Multi Elément ICP ASL QC Standard sol. (21E)
Mehr Element ICP ASL QC Standard Lös. (21E)
Contains 21 elements in 2 to 5% HNO3 + traces HF (QCS-ASL-21)
*ICP Alternative Source Line Quality Control Standard (QCS)

Chem-Lab NV
Industriezone "De Arend" 2
B-8210 Zedelgem
Made in Belgium
Tel. +32 (0)50 28 83 20
Fax. +32 (0)50 78 26 54
www.chem-lab.be

Warning.: Causes skin irritation. Wear protective gloves, protective clothing, eye protection, face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Waarschuwing.: Veroorzaakt huidirritatie. Beschermende handschoenen, beschermende kleding, oogbescherming, gelaatsbescherming dragen. BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.
Avertissement.: Provoque une irritation cutanée. Porter des gants de protection, des vêtements de protection, un équipement de protection des yeux, du visage. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.
Achtung.: Verursacht Hautreizungen. Schutzhandschuhe, Schutzkleidung, Augenschutz, Gesichtsschutz tragen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.
Alerta.: Provoca irritación cutánea. Llevar guantes, prendas, gafas, máscara de protección. EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.
Avvertimento.: Provoca irritazione cutanea. Indossare guanti, indumenti protettivi, Proteggere gli occhi, il viso. IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Multi Element ICP LPCS Standard sol. LPCS-01 (29E)

CL01.13771

*ICP-EPA Methods (Method 200.7 Version 3.3 & earlier) - Laboratory Performance Check Standard (LPCS) (LPCS-01)

Contains 29 elements in 5% HNO3

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 20 mg/l
Antimony (Sb)	: 20 mg/l
Arsenic (As)	: 20 mg/l
Barium (Ba)	: 20 mg/l
Beryllium (Be)	: 20 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Calcium (Ca)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Iron (Fe)	: 20 mg/l
Lead (Pb)	: 20 mg/l
Lithium (Li)	: 20 mg/l
Magnesium (Mg)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Molybdenum (Mo)	: 20 mg/l
Nickel (Ni)	: 20 mg/l
Phosphorus (P)	: 20 mg/l
Potassium (K)	: 20 mg/l
Selenium (Se)	: 20 mg/l
Silicon (Si)	: 20 mg/l
Silver (Ag)	: 5 mg/l
Sodium (Na)	: 20 mg/l
Strontium (Sr)	: 20 mg/l
Thallium (Tl)	: 20 mg/l
Tin (Sn)	: 20 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13771.0100	100 ml	PE
CL01.13771.0500	500 ml	PE/H

Multi Element ICP LFSS Standard sol. LFSS-01 (25E)

CL01.13772

*ICP-EPA Methods (Method 200.7 Version 3.3 & earlier) - Laboratory Fortifying Stock Solution (LFSS) (LFSS-01)

Contains 25 elements in 5% HNO3 + traces HF

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 25 mg/l
Antimony (Sb)	: 25 mg/l
Arsenic (As)	: 25 mg/l
Barium (Ba)	: 25 mg/l
Beryllium (Be)	: 25 mg/l
Boron (B)	: 25 mg/l
Cadmium (Cd)	: 10 mg/l
Chromium (Cr)	: 25 mg/l
Cobalt (Co)	: 10 mg/l
Copper (Cu)	: 25 mg/l
Iron (Fe)	: 25 mg/l
Lead (Pb)	: 25 mg/l
Lithium (Li)	: 25 mg/l
Manganese (Mn)	: 25 mg/l
Molybdenum (Mo)	: 10 mg/l
Nickel (Ni)	: 25 mg/l
Phosphorus (P)	: 50 mg/l
Selenium (Se)	: 25 mg/l
Silicon (Si)	: 25 mg/l
Silver (Ag)	: 2.5 mg/l
Strontium (Sr)	: 25 mg/l
Thallium (Tl)	: 25 mg/l
Tin (Sn)	: 10 mg/l
Vanadium (V)	: 10 mg/l
Zinc (Zn)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13772.0100	100 ml	PE
CL01.13772.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-03 (12E)

CL01.13743

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard # 3

Contains 12 elements in 5% HNO3 (M-200.7-SP-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 2000 mg/l
Barium (Ba)	: 2000 mg/l
Beryllium (Be)	: 50 mg/l
Chromium (Cr)	: 200 mg/l
Cobalt (Co)	: 500 mg/l
Copper (Cu)	: 250 mg/l
Iron (Fe)	: 1000 mg/l
Manganese (Mn)	: 500 mg/l
Nickel (Ni)	: 500 mg/l
Silver (Ag)	: 50 mg/l
Vanadium (V)	: 500 mg/l
Zinc (Zn)	: 500 mg/l
± 0.3%	

Art. Nr.	Pack	Pack Type
CL01.13743.0100	100 ml	PE
CL01.13743.0500	500 ml	PE/H

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-01 (6E) — CL01.13731

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 1 — Contains 6 elements in 2% HNO3 (MCS-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Beryllium (Be)	: 50 mg/l
Cadmium (Cd)	: 150 mg/l
Lead (Pb)	: 500 mg/l
Manganese (Mn)	: 100 mg/l
Selenium (Se)	: 200 mg/l
Zinc (Zn)	: 150 mg/l

Art. Nr.	Pack	Pack Type
CL01.13731.0100	100 ml	PE
CL01.13731.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-04 (6E) — CL01.13734

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 4 — Contains 6 elements in 2% HNO3 (MCS-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 200 mg/l
Calcium (Ca)	: 1000 mg/l
Chromium (Cr)	: 20 mg/l
Nickel (Ni)	: 20 mg/l
Potassium (K)	: 400 mg/l
Sodium (Na)	: 200 mg/l
± 0.3%	

Art. Nr.	Pack	Pack Type
CL01.13734.0100	100 ml	PE
CL01.13734.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-05 (5E) — CL01.13745

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard # 5 — Contains 5 elements in 5% HNO3 (M-200.7-SP-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 2000 mg/l
Cadmium (Cd)	: 50 mg/l
Lead (Pb)	: 500 mg/l
Selenium (Se)	: 2000 mg/l
Thallium (Tl)	: 2000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13745.0100	100 ml	PE
CL01.13745.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-02 (5E) — CL01.13732

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 2 — Contains 5 elements in 2% HNO3 (MCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Barium (Ba)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 10000 mg/l
Vanadium (V)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13732.0100	100 ml	PE
CL01.13732.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-05 (5E) — CL01.13735

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 5 — Contains 5 elements in 2% HNO3 (MCS-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 200 mg/l
Boron (B)	: 100 mg/l
Magnesium (Mg)	: 1000 mg/l
Silver (Ag)	: 50 mg/l
Thallium (Tl)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13735.0100	100 ml	PE
CL01.13735.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-05R (5E) — CL01.13754

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard for Drinking Water # 5R — Contains 5 elements in 5% HNO3 (M-200.7-SP-05R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 200 mg/l
Cadmium (Cd)	: 100 mg/l
Lead (Pb)	: 200 mg/l
Selenium (Se)	: 400 mg/l
Thallium (Tl)	: 400 mg/l
± 0.3%	

Art. Nr.	Pack	Pack Type
CL01.13754.0100	100 ml	PE
CL01.13754.0500	500 ml	PE/H

Multi Element ICP SIC Standard sol. SICS-02 (5E) — CL01.13762

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Interference Check Standard # 2 — Contains 5 elements in 2% HNO3 (SICS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 10 mg/l
Copper (Cu)	: 40 mg/l
Manganese (Mn)	: 20 mg/l
Vanadium (V)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13762.0100	100 ml	PE
CL01.13762.0500	500 ml	PE/H

Multi Element ICP PLASOL Standard sol. M-200.7-PLASOL-1 (4E) — CL01.13723

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Plasma Solution (PLASOL) - Determining optimum viewing height of the plasma analytical zone. Contains 4 elements in 5% HNO3 (PLASOL-1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13723.0100	100 ml	PE
CL01.13723.0500	500 ml	PE/H

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Multi Element ICP SP Standard sol. SP-02 (4E) — CL01.13742

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard # 2 — Contains 4 elements in 2% HNO3 (M-200.7-SP-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 1000 mg/l
Magnesium (Mg)	: 2000 mg/l
Potassium (K)	: 10000 mg/l
Sodium (Na)	: 3000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13742.0100	100 ml	PE
CL01.13742.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-01R (4E) — CL01.13751

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard for Drinking Water # 1R — Contains 4 elements in H2O + traces HF (M-200.7-SP-01R)

Density 1.02 g/ml
HS Nr 38220000

Boron (B)	: 400 mg/l
Molybdenum (Mo)	: 200 mg/l
Silicon (Si)	: 2000 mg/l
Phosphorus (P)	: 400 mg/l

Art. Nr.	Pack	Pack Type
CL01.13751.0100	100 ml	PE
CL01.13751.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-02R (4E) — CL01.13752

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard for Drinking Water # 2R — Contains 4 elements in 2% HNO3 (M-200.7-SP-02R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 10000 mg/l
Magnesium (Mg)	: 10000 mg/l
Potassium (K)	: 10000 mg/l
Sodium (Na)	: 10000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13752.0100	100 ml	PE
CL01.13752.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-03 (3E) — CL01.13733

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 3 — Contains 3 elements in 2% HNO3 + traces HF (MCS-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 500 mg/l
Molybdenum (Mo)	: 100 mg/l
Silicon (Si)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13733.0100	100 ml	PE
CL01.13733.0500	500 ml	PE/H

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Multi Element ICP SIC Standard sol. SICS-03 (3E) — CL01.13763

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Interference Check Standard # 3 Contains 3 elements in 2% HNO3 (SICS-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 30 mg/l
Iron (Fe)	: 150 mg/l
Nickel (Ni)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13763.0100	100 ml	PE
CL01.13763.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-01 (3E) — CL01.13741

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard # 1 Contains 3 elements in 2% HNO3 + traces HF (M-200.7-SP-01)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Boron (B)	: 500 mg/l
Molybdenum (Mo)	: 500 mg/l
Silicon (Si)	: 2000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13741.0100	100 ml	PE
CL01.13741.0500	500 ml	PE/H

Multi Element ICP TUNSOL Standard sol. M-200.7-TUNSOL-1 (2E) — CL01.13724

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Tuning Solution (TUNSOL) - Adjusting the aerosol argon gas flow prior to calibration and analysis. Contains 2 elements in 5% HNO3 (TUNSOL-1)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Copper (Cu)	: 10 mg/l
Lead (Pb)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13724.0100	100 ml	PE
CL01.13724.0500	500 ml	PE/H

Mono Element ICP SP Standard sol. TCLP-02 (1E) — CL01.13773

*ICP-EPA Methods (Methods 6010B - 200.7 Version 3.3 and earlier) - Spiking & Mercury Standard - TCLP Standaard 2 HNO3 (TCLP-02) Contains 1 elements in 5%

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Mercury (Hg)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13773.0100	100 ml	PE
CL01.13773.0500	500 ml	PE/H

EPA Method 200.7 Version 3.3 & Earlier
Metals and Trace Elements in Water and Wastes by ICP - AA Multi Element Standards

Mono Element ICP SP Standard sol. SP-04 (1E) — CL01.13744

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard # 4 — Contains 1 elements in 2% HNO3 (M-200.7-SP-04)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13744.0100	100 ml	PE
CL01.13744.0500	500 ml	PE/H

Mono Element ICP SP Standard sol. SP-04R (1E) — CL01.13753

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard for Drinking Water # 4R — Contains 1 elements in 2% HNO3 (M-200.7-SP-04)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13753.0100	100 ml	PE
CL01.13753.0500	500 ml	PE/H

Mono Element ICP SIC Standard sol. SICS-01 (1E) — CL01.13761

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Interference Check Standard # 1 — Contains 1 elements in 2% HNO3 + traces HF (SICS-01)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Molybdenum (Mo)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13761.0100	100 ml	PE
CL01.13761.0500	500 ml	PE/H

Mono Element ICP SP Standard sol. TCLP-02-10X (1E) — CL01.13746

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mercury Standard — Contains 1 elements in 5% HNO3 (TCLP-02-10X)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Mercury (Hg)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13746.0100	100 ml	PE
CL01.13746.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 200.7 Version 4.4
Metals and Trace Elements in Water and Wastes by ICP-AA Multi Element Standards

Multi Element ICP LFSS Standard sol. M-200.7-LFSS-01 (26E)

CL01.13711

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Fortifying (Spiking) Standard # 1 HF (M-200.7-LFSS-01)

Contains 26 elements in 5% HNO3 + traces

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 20 mg/l
Arsenic (As)	: 20 mg/l
Barium (Ba)	: 20 mg/l
Beryllium (Be)	: 20 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Calcium (Ca)	: 20 mg/l
Cerium (Ce)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Iron (Fe)	: 20 mg/l
Lead (Pb)	: 20 mg/l
Lithium (Li)	: 20 mg/l
Magnesium (Mg)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Nickel (Ni)	: 20 mg/l

Phosphorus (P)	: 20 mg/l
Potassium (K)	: 500 mg/l
Selenium (Se)	: 20 mg/l
Silver (Ag)	: 7.5 mg/l
Sodium (Na)	: 20 mg/l
Strontium (Sr)	: 20 mg/l
Thallium (Tl)	: 20 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13711.0100	100 ml	PE
CL01.13711.0500	500 ml	PE/H

Multi Element ICP IPC Standard sol. M-200.7-IPC-01 (26E)

CL01.13721

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Performance Check (IPC) 01)

Contains 26 elements in 5% HNO3 (M-200.7-IPC-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 20 mg/l
Arsenic (As)	: 20 mg/l
Barium (Ba)	: 20 mg/l
Beryllium (Be)	: 20 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Calcium (Ca)	: 20 mg/l
Cerium (Ce)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Iron (Fe)	: 20 mg/l
Lead (Pb)	: 20 mg/l
Lithium (Li)	: 20 mg/l
Magnesium (Mg)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Nickel (Ni)	: 20 mg/l

Phosphorus (P)	: 100 mg/l
Potassium (K)	: 100 mg/l
Selenium (Se)	: 20 mg/l
Silver (Ag)	: 2.5 mg/l
Sodium (Na)	: 20 mg/l
Strontium (Sr)	: 20 mg/l
Thallium (Tl)	: 20 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13721.0100	100 ml	PE
CL01.13721.0500	500 ml	PE/H

EPA Method 200.7 Version 4.4
Metals and Trace Elements in Water and Wastes by ICP-AA Multi Element Standards

Multi Element ICP LFSS Standard sol. M-200.7-LFSS-01S (24E) — CL01.13713

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Fortifying (Spiking) Standard for Solids # 1 + traces HF (M-200.7-LFSS-01S)

Contains 24 elements in 5% HNO3

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 20 mg/l
Barium (Ba)	: 20 mg/l
Beryllium (Be)	: 20 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Calcium (Ca)	: 20 mg/l
Cerium (Ce)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Iron (Fe)	: 20 mg/l
Lead (Pb)	: 20 mg/l
Lithium (Li)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Nickel (Ni)	: 20 mg/l
Phosphorus (P)	: 20 mg/l
Potassium (K)	: 500 mg/l
Selenium (Se)	: 20 mg/l
Silver (Ag)	: 7.5 mg/l
Sodium (Na)	: 20 mg/l
Strontium (Sr)	: 20 mg/l
Thallium (Tl)	: 20 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13713.0100	100 ml	PE
CL01.13713.0500	500 ml	PE/H

Multi Element ICP LFSS Standard sol. M-200.7-LFSS-01W (22E) — CL01.13712

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Fortifying (Spiking) Standard for Water # 1 + traces HF (M-200.7-LFSS-01W)

Contains 22 elements in 5% HNO3

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 20 mg/l
Arsenic (As)	: 20 mg/l
Barium (Ba)	: 20 mg/l
Beryllium (Be)	: 20 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Cerium (Ce)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Copper (Cu)	: 20 mg/l
Iron (Fe)	: 20 mg/l
Lead (Pb)	: 20 mg/l
Lithium (Li)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Nickel (Ni)	: 20 mg/l
Phosphorus (P)	: 20 mg/l
Potassium (K)	: 500 mg/l
Selenium (Se)	: 20 mg/l
Silver (Ag)	: 7.5 mg/l
Thallium (Tl)	: 20 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13712.0100	100 ml	PE
CL01.13712.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. M-200.7-01 (10E) — CL01.13701

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Mixed Calibration Standard 1

Contains 10 elements in 5% HNO3 (M-200.7-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 50 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 10 mg/l
Boron (B)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l
Calcium (Ca)	: 100 mg/l
Copper (Cu)	: 20 mg/l
Manganese (Mn)	: 20 mg/l
Selenium (Se)	: 50 mg/l
Silver (Ag)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13701.0100	100 ml	PE
CL01.13701.0500	500 ml	PE/H

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 200.7 Version 4.4
Metals and Trace Elements in Water and Wastes by ICP-AA Multi Element Standards

Multi Element ICP CAL Standard sol. M-200.7-05 (6E) — CL01.13705

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Mixed Calibration Standard 5

Contains 6 elements in 5% HNO3 (M-200.7-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Beryllium (Be)	: 10 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Nickel (Ni)	: 20 mg/l
Thallium (Tl)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13705.0100	100 ml	PE
CL01.13705.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. M-200.7-02R (6E) — CL01.13702

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Mixed Calibration Standard 2

Contains 6 elements in 5% HNO3 (M-200.7-02R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Lithium (Li)	: 50 mg/l
Molybdenum (Mo)	: 100 mg/l
Potassium (K)	: 200 mg/l
Sodium (Na)	: 100 mg/l
Strontium (Sr)	: 10 mg/l
Titanium (Ti)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13702.0100	100 ml	PE
CL01.13702.0500	500 ml	PE/H

Multi Element ICP LFSS Standard sol. M-200.7-LFSS-02 (5E) — CL01.13714

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Fortifying (Spiking) Standard # 2 (M-200.7-LFSS-02)

Contains 5 elements in 5% HNO3 + traces HF

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 20 mg/l
Molybdenum (Mo)	: 20 mg/l
Silicon (Si)	: 20 mg/l
Tin (Sn)	: 20 mg/l
Titanium (Ti)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13714.0100	100 ml	PE
CL01.13714.0500	500 ml	PE/H

Multi Element ICP IPC Standard sol. M-200.7-IPC-02 (5E) — CL01.13722

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Instrument Performance Check (IPC) (M-200.7-IPC-02)

Contains 5 elements in 5% HNO3 + traces HF (M-

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 20 mg/l
Molybdenum (Mo)	: 20 mg/l
Silicon (Si)	: 100 mg/l
Tin (Sn)	: 20 mg/l
Titanium (Ti)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13722.0100	100 ml	PE
CL01.13722.0500	500 ml	PE/H

EPA Method 200.7 Version 4.4
Metals and Trace Elements in Water and Wastes by ICP-AA Multi Element Standards

Multi Element ICP CAL Standard sol. M-200.7-04 (5E) — CL01.13704

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Mixed Calibration Standard 4 — Contains 5 elements in 5% HNO3 (M-200.7-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Chromium (Cr)	: 50 mg/l
Silicon (Si)	: 100 mg/l
Tin (Sn)	: 40 mg/l
Zinc (Zn)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13704.0100	100 ml	PE
CL01.13704.0500	500 ml	PE/H

Multi Element ICP PLASOL Standard sol. M-200.7-PLASOL-1 (4E) — CL01.13723

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Plasma Solution (PLASOL) - Determining optimum viewing height of the plasma analytical zone. Contains 4 elements in 5% HNO3 (PLASOL-1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13723.0100	100 ml	PE
CL01.13723.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. M-200.7-03R (4E) — CL01.13703

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Mixed Calibration Standard 3 — Contains 4 elements in 5% HNO3 (M-200.7-03R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Cerium (Ce)	: 20 mg/l
Cobalt (Co)	: 20 mg/l
Phosphorus (P)	: 100 mg/l
Vanadium (V)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13703.0100	100 ml	PE
CL01.13703.0500	500 ml	PE/H

Multi Element ICP TUNSOL Standard sol. M-200.7-TUNSOL-1 (2E) — CL01.13724

*ICP-EPA Methods (Method 200.7 Version 4.4, May 1994) - Tuning Solution (TUNSOL) - Adjusting the aerosol argon gas flow prior to calibration and analysis. Contains 2 elements in 5% HNO3 (TUNSOL-1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Copper (Cu)	: 10 mg/l
Lead (Pb)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13724.0100	100 ml	PE
CL01.13724.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 6010 (SW-846 Revision 2)
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP LPCS Standard sol. LPCS-01R (30E) — CL01.13774

*ICP-EPA Methods (Method 6010B) - Laboratory Performance Check Standard (LPCS) — Contains 30 elements in 5% HNO3 (LPCS-01R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 20 mg/l	Potassium (K)	: 100 mg/l
Antimony (Sb)	: 20 mg/l	Selenium (Se)	: 20 mg/l
Arsenic (As)	: 20 mg/l	Silicon (Si)	: 100 mg/l
Barium (Ba)	: 20 mg/l	Silver (Ag)	: 5 mg/l
Beryllium (Be)	: 20 mg/l	Sodium (Na)	: 20 mg/l
Boron (B)	: 20 mg/l	Strontium (Sr)	: 20 mg/l
Cadmium (Cd)	: 20 mg/l	Thallium (Tl)	: 20 mg/l
Calcium (Ca)	: 20 mg/l	Tin (Sn)	: 20 mg/l
Chromium (Cr)	: 20 mg/l	Titanium (Ti)	: 20 mg/l
Cobalt (Co)	: 20 mg/l	Vanadium (V)	: 20 mg/l
Copper (Cu)	: 20 mg/l	Zinc (Zn)	: 20 mg/l
Iron (Fe)	: 20 mg/l		
Lead (Pb)	: 20 mg/l		
Lithium (Li)	: 20 mg/l		
Magnesium (Mg)	: 20 mg/l		
Manganese (Mn)	: 20 mg/l		
Molybdenum (Mo)	: 20 mg/l		
Nickel (Ni)	: 20 mg/l		
Phosphorus (P)	: 100 mg/l		

Art. Nr.	Pack	Pack Type
CL01.13774.0100	100 ml	PE
CL01.13774.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-01) (23E) — CL01.13601

*ICP-Quality Control Standard # 1 (QCS) — Contains 23 elements in 5% HNO3 + traces HF (QCS-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l	Phosphorus (P)	: 100 mg/l
Arsenic (As)	: 100 mg/l	Selenium (Se)	: 100 mg/l
Beryllium (Be)	: 100 mg/l	Strontium (Sr)	: 100 mg/l
Cadmium (Cd)	: 100 mg/l	Thallium (Tl)	: 100 mg/l
Calcium (Ca)	: 100 mg/l	Tin (Sn)	: 100 mg/l
Chromium (Cr)	: 100 mg/l	Titanium (Ti)	: 100 mg/l
Cobalt (Co)	: 100 mg/l	Vanadium (V)	: 100 mg/l
Copper (Cu)	: 100 mg/l	Zinc (Zn)	: 100 mg/l
Iron (Fe)	: 100 mg/l		
Lead (Pb)	: 100 mg/l		
Lithium (Li)	: 100 mg/l		
Magnesium (Mg)	: 100 mg/l		
Manganese (Mn)	: 100 mg/l		
Molybdenum (Mo)	: 100 mg/l		
Nickel (Ni)	: 100 mg/l		

Art. Nr.	Pack	Pack Type
CL01.13601.0100	100 ml	PE
CL01.13601.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-B1 (12E) — CL01.13682

*ICP-EPA-CLP Methods (DIN 38406 - 6010B) - Interference Check Standard (INT) - Primary Analytes — Contains 12 element in 5% HNO3 (INT-B1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Silver (Ag)	: 100 mg/l	Copper (Cu)	: 50 mg/l
Cadmium (Cd)	: 100 mg/l	Manganese (Mn)	: 50 mg/l
Nickel (Ni)	: 100 mg/l	Vanadium (V)	: 50 mg/l
Lead (Pb)	: 100 mg/l		
Zinc (Zn)	: 100 mg/l		
Barium (Ba)	: 50 mg/l		
Beryllium (Be)	: 50 mg/l		
Cobalt (Co)	: 50 mg/l		
Chromium (Cr)	: 50 mg/l		

Art. Nr.	Pack	Pack Type
CL01.13682.0100	100 ml	PE
CL01.13682.0500	500 ml	PE/H

EPA Method 6010 (SW-846 Revision 2)
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-04R (8E) — CL01.13804

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 4R — Contains 8 elements in 2% HNO3 (MCS-04R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 200 mg/l
Calcium (Ca)	: 1000 mg/l
Chromium (Cr)	: 20 mg/l
Lithium (Li)	: 100 mg/l
Nickel (Ni)	: 20 mg/l
Potassium (K)	: 400 mg/l
Sodium (Na)	: 200 mg/l
Strontium (Sr)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13804.0100	100 ml	PE
CL01.13804.0500	500 ml	PE/H

Multi Element ICP QC Standard sol. (QCS-02) (7E) — CL01.13602

*ICP-Quality Control Standard # 2 (QCS) — Contains 7 elements in 5% HNO3 + traces HF (QCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Boron (B)	: 100 mg/l
Potassium (K)	: 1000 mg/l
Silicon (Si)	: 500 mg/l
Silver (Ag)	: 50 mg/l
Sodium (Na)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13602.0100	100 ml	PE
CL01.13602.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-01 (6E) — CL01.13731

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 1 01) — Contains 6 elements in 2% HNO3 (MCS-

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Beryllium (Be)	: 50 mg/l
Cadmium (Cd)	: 150 mg/l
Lead (Pb)	: 500 mg/l
Manganese (Mn)	: 100 mg/l
Selenium (Se)	: 200 mg/l
Zinc (Zn)	: 150 mg/l

Art. Nr.	Pack	Pack Type
CL01.13731.0100	100 ml	PE
CL01.13731.0500	500 ml	PE/H

Multi Element ICP Standard sol. PLASOL-R (5E) — CL01.13822

*ICP-EPA Methods (Method 6010B) - Profile Solution - Alternative (PLASOL) — Contains 5 element in 5% HNO3 (PLASOL-R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Lithium (Li)	: 10 mg/l
Manganese (Mn)	: 10 mg/l
Vanadium (V)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13822.0100	100 ml	PE
CL01.13822.0500	500 ml	PE/H

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 6010 (SW-846 Revision 2)
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-02 (5E) — CL01.13732

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 2 — Contains 5 elements in 2% HNO3 (MCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Barium (Ba)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 10000 mg/l
Vanadium (V)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13732.0100	100 ml	PE
CL01.13732.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-06R (5E) — CL01.13807

*ICP-EPA Methods (Method 6010B) - Additional Analyte Calibration Standard 6R — Contains 5 elements in 5% HNO3 (MCS-06R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Phosphorus (P)	: 200 mg/l
Tin (Sn)	: 200 mg/l
Titanium (Ti)	: 100 mg/l
Boron (B)	: 50 mg/l
Silicon (Si)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13807.0100	100 ml	PE
CL01.13807.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-05R (4E) — CL01.13805

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 5R — Contains 4 elements in 2% HNO3 (MCS-05R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 200 mg/l
Magnesium (Mg)	: 1000 mg/l
Silver (Ag)	: 50 mg/l
Thallium (Tl)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13805.0100	100 ml	PE
CL01.13805.0500	500 ml	PE/H

Multi Element ICP Standard sol. PLASOL (3E) — CL01.13821

*ICP-EPA Methods (Method 6010B) - Profile Solution (PLASOL) — Contains 3 element in 5% HNO3 (PLASOL)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Selenium (Se)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13821.0100	100 ml	PE
CL01.13821.0500	500 ml	PE/H

EPA Method 6010 (SW-846 Revision 2)
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-03R (2E) — CL01.13803

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 3R — Contains 2 elements in 2% HNO3 + traces HF (MCS-03R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 500 mg/l
Molybdenum (Mo)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13803.0100	100 ml	PE
CL01.13803.0500	500 ml	PE/H

Multi Element ICP Standard sol. ICP-69N (1E) — CL01.13823

*ICP-EPA Methods (Method 6010B) - Nebulizer Adjustment Solution — Contains 1 element in 5% HNO3 (ICP-69N)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Yttrium (Y)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13823.0100	100 ml	PE

Mono Element ICP CAL Standard sol. MCS-06 (1E) — CL01.13806

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 6 — Contains 1 elements in 2% HNO3 (MCS-06)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Phosphorus (P)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13806.0100	100 ml	PE
CL01.13806.0500	500 ml	PE/H

Mono Element ICP SP Standard sol. TCLP-02 (1E) — CL01.13773

*ICP-EPA Methods (Methods 6010B - 200.7 Version 3.3 and earlier) - Spiking & Mercury Standard - TCLP Standaard 2 HNO3 (TCLP-02) — Contains 1 elements in 5%

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Mercury (Hg)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13773.0100	100 ml	PE
CL01.13773.0500	500 ml	PE/H

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 6010
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP INT Standard sol. INT-01 (17E) — CL01.13811

*ICP-EPA Methods (Method 6010) - Interference Check Standard (INT) Contains 17 element in 5% HNO3 (INT-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 1000 mg/l
Barium (Ba)	: 300 mg/l
Beryllium (Be)	: 100 mg/l
Cadmium (Cd)	: 300 mg/l
Chromium (Cr)	: 300 mg/l
Cobalt (Co)	: 300 mg/l
Copper (Cu)	: 300 mg/l
Lead (Pb)	: 1000 mg/l
Manganese (Mn)	: 200 mg/l
Mercury (Hg)	: 50 mg/l
Nickel (Ni)	: 300 mg/l
Potassium (K)	: 20000 mg/l
Selenium (Se)	: 500 mg/l
Silver (Ag)	: 300 mg/l
Thallium (Tl)	: 1000 mg/l
Vanadium (V)	: 300 mg/l
Zinc (Zn)	: 300 mg/l

Art. Nr.	Pack	Pack Type
CL01.13811.0100	100 ml	PE
CL01.13811.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-04R (8E) — CL01.13804

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 4R Contains 8 elements in 2% HNO3 (MCS-04R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 200 mg/l
Calcium (Ca)	: 1000 mg/l
Chromium (Cr)	: 20 mg/l
Lithium (Li)	: 100 mg/l
Nickel (Ni)	: 20 mg/l
Potassium (K)	: 400 mg/l
Sodium (Na)	: 200 mg/l
Strontium (Sr)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13804.0100	100 ml	PE
CL01.13804.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-01 (6E) — CL01.13731

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 1 Contains 6 elements in 2% HNO3 (MCS-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Beryllium (Be)	: 50 mg/l
Cadmium (Cd)	: 150 mg/l
Lead (Pb)	: 500 mg/l
Manganese (Mn)	: 100 mg/l
Selenium (Se)	: 200 mg/l
Zinc (Zn)	: 150 mg/l

Art. Nr.	Pack	Pack Type
CL01.13731.0100	100 ml	PE
CL01.13731.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-05 (5E) — CL01.13735

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 5 Contains 5 elements in 2% HNO3 (MCS-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 200 mg/l
Boron (B)	: 100 mg/l
Magnesium (Mg)	: 1000 mg/l
Silver (Ag)	: 50 mg/l
Thallium (Tl)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13735.0100	100 ml	PE
CL01.13735.0500	500 ml	PE/H

EPA Method 6010
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-02 (5E) — CL01.13732

*ICP-EPA Methods (Methods 6010A - 6010B - 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 2 — Contains 5 elements in 2% HNO3 (MCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Barium (Ba)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 10000 mg/l
Vanadium (V)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13732.0100	100 ml	PE
CL01.13732.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-04 (5E) — CL01.13814

*ICP-EPA Methods (Method 6010) - Interference Check Standard (INT) — Contains 5 element in 5% HNO3 (INT-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 1200 mg/l
Calcium (Ca)	: 6000 mg/l
Iron (Fe)	: 5000 mg/l
Magnesium (Mg)	: 3000 mg/l
Sodium (Na)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13814.0100	100 ml	PE
CL01.13814.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-05R (4E) — CL01.13805

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 5R — Contains 4 elements in 2% HNO3 (MCS-05R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 200 mg/l
Magnesium (Mg)	: 1000 mg/l
Silver (Ag)	: 50 mg/l
Thallium (Tl)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13805.0100	100 ml	PE
CL01.13805.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-02 (4E) — CL01.13812

*ICP-EPA Methods (Method 6010) - Interference Check Standard (INT) — Contains 4 element in 5% HNO3 + traces HF (INT-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Boron (B)	: 500 mg/l
Molybdenum (Mo)	: 300 mg/l
Silicon (Si)	: 200 mg/l
Titanium (Ti)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13812.0100	100 ml	PE
CL01.13812.0500	500 ml	PE/H

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 6010
ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP CAL Standard sol. MCS-03 (3E) — CL01.13733

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Mixed Calibration Standard 3 — Contains 3 elements in 2% HNO3 + traces HF (MCS-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Arsenic (As)	: 500 mg/l
Molybdenum (Mo)	: 100 mg/l
Silicon (Si)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13733.0100	100 ml	PE
CL01.13733.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. MCS-03R (2E) — CL01.13803

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 3R — Contains 2 elements in 2% HNO3 + traces HF (MCS-03R)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Arsenic (As)	: 500 mg/l
Molybdenum (Mo)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13803.0100	100 ml	PE
CL01.13803.0500	500 ml	PE/H

Mono Element ICP INT Standard sol. INT-03 (1E) — CL01.13813

*ICP-EPA Methods (Method 6010) - Interference Check Standard (INT) — Contains 1 element in 2% HNO3 (INT-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13813.0100	100 ml	PE
CL01.13813.0500	500 ml	PE/H

Mono Element ICP CAL Standard sol. MCS-06 (1E) — CL01.13806

*ICP-EPA Methods (Methods 6010A - 6010B) - Mixed Calibration Standard 6 — Contains 1 elements in 2% HNO3 (MCS-06)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Phosphorus (P)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13806.0100	100 ml	PE
CL01.13806.0500	500 ml	PE/H

EPA Method 200.11
Determination of Metals in Fish Tissue by ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP Standard sol. LPCS-02 (18E) — CL01.13855

*ICP-EPA Methods (Method 200.11) - Laboratory Performance Check Standard — Contains 18 element in 5% HNO3 (LPCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 10 mg/l
Antimony (Sb)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Calcium (Ca)	: 20 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Iron (Fe)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Magnesium (Mg)	: 20 mg/l
Nickel (Ni)	: 10 mg/l
Phosphorus (P)	: 100 mg/l
Potassium (K)	: 100 mg/l
Selenium (Se)	: 10 mg/l
Sodium (Na)	: 20 mg/l
Thallium (Tl)	: 10 mg/l
Zinc (Zn)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13855.0100	100 ml	PE
CL01.13855.0500	500 ml	PE/H

Multi Element ICP Standard sol. LFSS-02 (12E) — CL01.13856

*ICP-EPA Methods (Method 200.11) - Laboratory Fortifying Stock Solution — Contains 12 element in 5% HNO3 (LFSS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 50 mg/l
Antimony (Sb)	: 25 mg/l
Arsenic (As)	: 50 mg/l
Beryllium (Be)	: 2.5 mg/l
Cadmium (Cd)	: 5 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 25 mg/l
Lead (Pb)	: 25 mg/l
Nickel (Ni)	: 25 mg/l
Selenium (Se)	: 50 mg/l
Thallium (Tl)	: 25 mg/l
Zinc (Zn)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13856.0100	100 ml	PE
CL01.13856.0500	500 ml	PE/H

Multi Element ICP Standard sol. WPTM-F (9E) — CL01.13857

*ICP-EPA Methods (Method 200.11) - QC Standards — Contains 9 element in 5% HNO3 (WPTM-F)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 100 mg/l
Cadmium (Cd)	: 5 mg/l
Chromium (Cr)	: 20 mg/l
Copper (Cu)	: 50 mg/l
Lead (Pb)	: 10 mg/l
Mercury (Hg)	: 100 mg/l
Nickel (Ni)	: 20 mg/l
Selenium (Se)	: 10 mg/l
Zinc (Zn)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13857.0100	100 ml	PE
CL01.13857.0500	500 ml	PE/H

Multi Element ICP Standard sol. PCS-01 (7E) — CL01.13851

*ICP-EPA Methods (Method 200.11) - Primary Calibartion Standard Solutions — Contains 7 element in 5% HNO3 (PCS-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Antimony (Sb)	: 50 mg/l
Calcium (Ca)	: 100 mg/l
Cadmium (Cd)	: 20 mg/l
Copper (Cu)	: 10 mg/l
Magnesium (Mg)	: 100 mg/l
Selenium (Se)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13851.0100	100 ml	PE
CL01.13851.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 200.11
Determination of Metals in Fish Tissue by ICP - AA (ICP-AES) Multi Element Standards

Multi Element ICP Standard sol. PCS-04 (5E) — CL01.13854

*ICP-EPA Methods (Method 200.11) - Primary Calibartion Standard Solutions — Contains 5 element in 5% HNO3 (PCS-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Beryllium (Be)	: 10 mg/l
Iron (Fe)	: 100 mg/l
Nickel (Ni)	: 200 mg/l
Phosphorus (P)	: 100 mg/l
Potassium (K)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13854.0100	100 ml	PE
CL01.13854.0500	500 ml	PE/H

Multi Element ICP Standard sol. PCS-03 (4E) — CL01.13853

*ICP-EPA Methods (Method 200.11) - Primary Calibartion Standard Solutions — Contains 4 element in 5% HNO3 (PCS-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Lead (Pb)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Thallium (Tl)	: 50 mg/l
Zinc (Zn)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13853.0100	100 ml	PE
CL01.13853.0500	500 ml	PE/H

Multi Element ICP Standard sol. PCS-02 (2E) — CL01.13852

*ICP-EPA Methods (Method 200.11) - Primary Calibartion Standard Solutions — Contains 2 element in 5% HNO3 (PCS-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 100 mg/l
Chromium (Cr)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13852.0100	100 ml	PE
CL01.13852.0500	500 ml	PE/H

REGISTERED ISO 9001 ANT97141.1 by LRQA

ACCREDITED ISO 17025 531-CAL by BELAC

ACCREDITED ISO GUIDE 34 531-RM by BELAC

Safe Drinking Water Act Standards (SWDA)
Multi Element Standards

Multi Element ICP Standard sol. SDWA-09 (19E) — CL01.13831

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary & Secondary Metals for GFAA/ICP/ICP-MS Analysis Contains 19 element in 2% HNO3 (SDWA-09)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 10 mg/l
Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 10 mg/l
Manganese (Mn)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Silicon (Si)	: 100 mg/l
Silver (Ag)	: 10 mg/l
Sodium (Na)	: 100 mg/l
Thallium (Tl)	: 10 mg/l
Zinc (Zn)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13831.0100	100 ml	PE
CL01.13831.0500	500 ml	PE/H

Multi Element ICP Standard sol. SDWA-07 (14E) — CL01.13832

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Metals for GFAA/ICP/ICP-MS Analysis Contains 14 element in 2% HNO3 (SDWA-07)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Silicon (Si)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Thallium (Tl)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13832.0100	100 ml	PE
CL01.13832.0500	500 ml	PE/H

Multi Element ICP Standard sol. SDWA-06-MS (11E) — CL01.13834

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Metals for ICP-MS Analysis (SDWA-07) Contains 11 element in 2% HNO3

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Barium (Ba)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13834.0100	100 ml	PE
CL01.13834.0500	500 ml	PE/H

Multi Element ICP Standard sol. SDWA-04 (9E) — CL01.13835

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Metals for ICP Analysis Contains 9 element in 5% HNO3 (SDWA-4)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 100 mg/l
Barium (Ba)	: 10 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Calcium (Ca)	: 100 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Sodium (Na)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13835.0100	100 ml	PE
CL01.13835.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Safe Drinking Water Act Standards (SWDA)
Multi Element Standards

Multi Element ICP Standard sol. SDWA-05 (9E)

CL01.13836

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Metals for GFAA Analysis

Contains 9 element in 5% HNO3 (SDWA-5)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Lead (Pb)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13836.0100	100 ml	PE
CL01.13836.0500	500 ml	PE/H

Multi Element IC Standard sol. IC-MAN-18 (6E)

CL01.13837

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary & Secondary Anions for Ion Chromatography Analysis

Contains 6 element in H2O (IC-MAN-18)

Density 1.02 g/ml
HS Nr 38220000

Fluoride	: 100 mg/l
Chloride	: 100 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 100 mg/l
Sulfate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13837.0100	100 ml	PE
CL01.13837.0500	500 ml	PE/H

Multi Element ICP Standard sol. SDWA-08 (5E)

CL01.13833

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Secondary Metals for GFAA/ICP/ICP-MS Analysis

Contains 5 element in 5% HNO3 (SDWA-08)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 10 mg/l
Iron (Fe)	: 100 mg/l
Manganese (Mn)	: 10 mg/l
Silver (Ag)	: 10 mg/l
Zinc (Zn)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13833.0100	100 ml	PE
CL01.13833.0500	500 ml	PE/H

Multi Element IC Standard sol. IC-MAN-15R (4E)

CL01.13838

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Anions for Ion Chromatography Analysis

Contains 4 element in H2O (IC-MAN-15R)

Density 1.02 g/ml
HS Nr 38220000

Fluoride	: 100 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13838.0100	100 ml	PE
CL01.13838.0500	500 ml	PE/H

Tailor Made Mixtures can be formulated to meet your special applications.

MISA Multi Element Standards

Multi Element ICP Standard sol. MISA-01 (18E) — CL01.13861

*ICP-EPA Methods (MISA Methods) - Rare Earth Metals - MISA Standard 1 — Contains 18 element in 5% HNO3 (MISA-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Cerium (Ce)	: 100 mg/l
Dysprosium (Dy)	: 100 mg/l
Erbium (Er)	: 100 mg/l
Europium (Eu)	: 100 mg/l
Gadolinium (Gd)	: 100 mg/l
Holmium (Ho)	: 100 mg/l
Lanthanum (La)	: 100 mg/l
Lutetium (Lu)	: 100 mg/l
Neodymium (Nd)	: 100 mg/l
Praseodymium (Pr)	: 100 mg/l
Scandium (Sc)	: 100 mg/l
Samarium (Sm)	: 100 mg/l
Terbium (Tb)	: 100 mg/l
Thorium (Th)	: 100 mg/l
Thulium (Tm)	: 100 mg/l
Uranium (U)	: 100 mg/l
Ytterbium (Yb)	: 100 mg/l
Yttrium (Y)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13861.0100	100 ml	PE
CL01.13861.0500	500 ml	PE/H

Multi Element ICP Standard sol. MISA-04 (16E) — CL01.13864

*ICP-EPA Methods (MISA Methods) - Alkali, Alkaline Earth, Non-Transition Group - MISA Standard 4 — Contains 16 element in 10% HNO3 (MISA-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H314
PNrs P280-P305 + P351 + P338-P310
DANGER.

Aluminium (Al)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Barium (Ba)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Bismuth (Bi)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Caesium (Cs)	: 100 mg/l
Gallium (Ga)	: 100 mg/l
Indium (In)	: 100 mg/l
Lithium (Li)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Potassium (K)	: 100 mg/l
Rubidium (Rb)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Strontium (Sr)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13864.0100	100 ml	PE
CL01.13864.0500	500 ml	PE/H

Multi Element ICP Standard sol. MISA-05 (15E) — CL01.13865

*ICP-EPA Methods (MISA Methods) - Fluoride Soluble Group - MISA Standard 5 — Contains 15 element in 2% HNO3 + traces HF (MISA-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Boron (B)	: 100 mg/l
Germanium (Ge)	: 100 mg/l
Hafnium (Hf)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Niobium (Nb)	: 100 mg/l
Phosphorus (P)	: 100 mg/l
Rhenium (Re)	: 100 mg/l
Silicon (Si)	: 100 mg/l
Sulfur (S)	: 100 mg/l
Tantalum (Ta)	: 100 mg/l
Tin (Sn)	: 100 mg/l
Titanium (Ti)	: 100 mg/l
Tungsten (W)	: 100 mg/l
Zirconium (Zr)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13865.0100	100 ml	PE
CL01.13865.0500	500 ml	PE/H

Multi Element ICP Standard sol. MISA-06 (13E) — CL01.13866

*ICP-EPA Methods (MISA Methods) - Transition Metals - MISA Standard 6 — Contains 13 element in 10% HNO3 (MISA-06)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H314
PNrs P280-P305 + P351 + P338-P310
DANGER.

Cadmium (Cd)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Chromium (Cr)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Mercury (Hg)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Silver (Ag)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13866.0100	100 ml	PE
CL01.13866.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

MISA Multi Element Standards

Multi Element ICP Standard sol. MISA-02 (6E) — CL01.13862

*ICP-EPA Methods (MISA Methods) - Precious Metals - MISA Standard 2 — Contains 6 element in 10% HCl (MISA-02)

Density 1.02 g/ml
HS Nr 38220000
UN 1789
ADR 8,II
IATA 8,II
IMDG 8,II
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Gold (Au)	: 100 mg/l
Iridium (Ir)	: 100 mg/l
Palladium (Pd)	: 100 mg/l
Platinum (Pt)	: 100 mg/l
Rhodium (Rh)	: 100 mg/l
Ruthenium (Ru)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13862.0100	100 ml	PE
CL01.13862.0500	500 ml	PE/H

Multi Element ICP Standard sol. MISA-03 (1E) — CL01.13863

*ICP-EPA Methods (MISA Methods) - Tellurium - MISA Standard 3 — Contains 1 element in 10% HCl (MISA-03)

Density 1.02 g/ml
HS Nr 38220000
UN 1789
ADR 8,II
IATA 8,II
IMDG 8,II
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Tellurium (Te)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13863.0100	100 ml	PE
CL01.13863.0500	500 ml	PE/H

Multi Element ICP Blank sol. (CLP-BLH) — CL01.13992

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Hydrochloric Acid Blank — Contains 5% HCl in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000
UN 1789
ADR 8,II
IATA 8,II
IMDG 8,II
HNrs H317
PNrs P280

WARNING.

Art. Nr.	Pack	Pack Type
CL01.13992.1000	1 l	PE/H
CL01.13992.2500	2,5 l	PE/H

Multi Element ICP Blank sol. (CLP-BLW) — CL01.13993

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - ASTM Type II Water — ASTM Type II Water

Density 1.00 g/ml
HS Nr 38220000

Art. Nr.	Pack	Pack Type
CL01.13993.1000	1 l	PE/H
CL01.13993.2500	2,5 l	PE/H

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

MISA Multi Element Standards

Multi Element ICP Blank sol. (CLP-BLN) CL01.13991

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Nitric Acid Blank Contains 5% HNO3 in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Art. Nr.	Pack	Pack Type
CL01.13991.1000	1 l	PE/H
CL01.13991.2500	2,5 l	PE

Multi Element ICP Blank sol. (CLP-BLMA) CL01.13994

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Mixed Acid Blank Contains 5% HCl + 1% HNO3 in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H317
PNrs P280-P305 + P351 + P338
WARNING.

Art. Nr.	Pack	Pack Type
CL01.13994.1000	1 l	PE/H
CL01.13994.2500	2,5 l	PE

Ground Water and Wastewater Standards

Multi Element ICP Standard sol. WPTM-01 (15E) — CL01.13841

ICP-EPA Methods - Groundwater & Wastewater Standards - Trace Metals I — Contains 15 element in 5% HNO3 (WPTM-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 500 mg/l
Arsenic (As)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Cadmium (Cd)	: 25 mg/l
Chromium (Cr)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Copper (Cu)	: 100 mg/l
Iron (Fe)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Mercury (Hg)	: 5 mg/l
Nickel (Ni)	: 100 mg/l
Selenium (Se)	: 25 mg/l
Vanadium (V)	: 250 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13841.0100	100 ml	PE
CL01.13841.0500	500 ml	PE/H

Multi Element ICP Standard sol. WPAM-01 (11E) — CL01.13844

*ICP-EPA Methods - Alternate Groundwater & Wastewater Standards - Alternate Metals I — Contains 11 element in 2% HNO3 (WPAM-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 20 mg/l
Antimony (Sb)	: 5 mg/l
Beryllium (Be)	: 5 mg/l
Cobalt (Co)	: 10 mg/l
Copper (Cu)	: 10 mg/l
Iron (Fe)	: 20 mg/l
Manganese (Mn)	: 10 mg/l
Nickel (Ni)	: 10 mg/l
Thallium (Tl)	: 5 mg/l
Vanadium (V)	: 20 mg/l
Zinc (Zn)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13844.0100	100 ml	PE
CL01.13844.0500	500 ml	PE/H

Multi Element ICP Standard sol. TCLP-01 (7E) — CL01.13846

*ICP-EPA Methods - Groundwater & Wastewater Standards - TCLP Multi-Element Calibration Standards - TCLP Standard 1 HNO3 (TCLP-01) — Contains 7 element in 5%

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 25 mg/l
Barium (Ba)	: 500 mg/l
Cadmium (Cd)	: 5 mg/l
Chromium (Cr)	: 25 mg/l
Lead (Pb)	: 25 mg/l
Selenium (Se)	: 5 mg/l
Silver (Ag)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13846.0100	100 ml	PE
CL01.13846.0500	500 ml	PE/H

Multi Element ICP Standard sol. WPTM-03 (6E) — CL01.13843

*ICP-EPA Methods - Groundwater & Wastewater Standards - Trace Metals III — Contains 6 element in 5% HNO3 + traces HF (WPTM-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Barium (Ba)	: 500 mg/l
Calcium (Ca)	: 500 mg/l
Magnesium (Mg)	: 100 mg/l
Molybdenum (Mo)	: 500 mg/l
Potassium (K)	: 100 mg/l
Sodium (Na)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13843.0100	100 ml	PE
CL01.13843.0500	500 ml	PE/H

Ground Water and Wastewater Standards

Multi Element ICP Standard sol. TCLP-ICP (4E) — CL01.13847

*ICP-EPA Methods - Groundwater & Wastewater Standards - TCLP Multi-Element Calibration Standards - TCLP Standard for ICP in 2% HNO3 (TCLP-ICP)

Contains 4 element

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Barium (Ba)	: 500 mg/l
Cadmium (Cd)	: 5 mg/l
Chromium (Cr)	: 25 mg/l
Silver (Ag)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13847.0100	100 ml	PE
CL01.13847.0500	500 ml	PE/H

Multi Element ICP Standard sol. WPAM-03 (4E) — CL01.13845

*ICP-EPA Methods - Alternate Groundwater & Wastewater Standards - Alternate Metals III

Contains 4 element in 2% HNO3 (WPAM-03)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Calcium (Ca)	: 500 mg/l
Magnesium (Mg)	: 100 mg/l
Potassium (K)	: 100 mg/l
Sodium (Na)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13845.0100	100 ml	PE
CL01.13845.0500	500 ml	PE/H

Multi Element ICP Standard sol. WPTM-02 (3E) — CL01.13842

*ICP-EPA Methods - Groundwater & Wastewater Standards - Trace Metals II

Contains 3 element in 2% HNO3 (WPTM-02)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 20 mg/l
Silver (Ag)	: 10 mg/l
Thallium (Tl)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13842.0100	100 ml	PE
CL01.13842.0500	500 ml	PE/H

Multi Element ICP Standard sol. TCLP-GFAA (3E) — CL01.13848

*ICP-EPA Methods - Groundwater & Wastewater Standards - TCLP Multi-Element Calibration Standards - TCLP Standard for GFAA

Contains 3 element in 5% HNO3 (TCLP-GFAA)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Arsenic (As)	: 25 mg/l
Lead (Pb)	: 25 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13848.0100	100 ml	PE
CL01.13848.0500	500 ml	PE/H

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Mono Element ICP SP Standard sol. TCLP-02 (1E)

CL01.13773

*ICP-EPA Methods (Methods 6010B - 200.7 Version 3.3 and earlier) - Spiking & Mercury Standard - TCLP Standaard 2 HNO3 (TCLP-02)

Contains 1 elements in 5%

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Mercury (Hg)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13773.0100	100 ml	PE
CL01.13773.0500	500 ml	PE/H

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

Contract Laboratory Program Multi Element Standards

Multi Element ICP ICV Standard sol. ICV-01-R (22E) — CL01.13655

*ICP-EPA-CLP Methods (DIN 38406) - Initial Calibration Verification Standard (ICV)

Contains 22 elements in 5% HNO3 (ICV-01-R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 500 mg/l
Potassium (K)	: 500 mg/l
Magnesium (Mg)	: 500mg/l
Sodium (Na)	: 500 mg/l
Aluminium (Al)	: 200 mg/l
Barium (Ba)	: 200 mg/l
Iron (Fe)	: 100 mg/l
Antimony (Sb)	: 60 mg/l
Cobalt (Co)	: 50 mg/l
Vanadium (V)	: 50 mg/l
Nickel (Ni)	: 40 mg/l
Copper (Cu)	: 25 mg/l
Zinc (Zn)	: 20 mg/l
Manganese (Mn)	: 15 mg/l

Silver (Ag)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Beryllium (Be)	: 5 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 5 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13655.0100	100 ml	PE
CL01.13655.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. ICV-01 (22E) — CL01.13651

*ICP-EPA-CLP Methods (DIN 38406) - Initial Calibration Verification Standard (ICV)

Contains 22 elements in 5% HNO3 (ICV-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 5000 mg/l
Potassium (K)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Sodium (Na)	: 5000 mg/l
Aluminium (Al)	: 200 mg/l
Barium (Ba)	: 200 mg/l
Iron (Fe)	: 100 mg/l
Antimony (Sb)	: 60 mg/l
Cobalt (Co)	: 50 mg/l
Vanadium (V)	: 50 mg/l
Nickel (Ni)	: 40 mg/l
Copper (Cu)	: 25 mg/l
Zinc (Zn)	: 20 mg/l
Manganese (Mn)	: 15 mg/l

Silver (Ag)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Beryllium (Be)	: 5 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 5 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13651.0100	100 ml	PE
CL01.13651.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. CCV-01 (16E) — CL01.13656

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV)

Contains 16 elements in 5% HNO3 (CCV-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 2500 mg/l
Potassium (K)	: 2500 mg/l
Magnesium (Mg)	: 2500 mg/l
Sodium (Na)	: 2500 mg/l
Aluminium (Al)	: 1000 mg/l
Barium (Ba)	: 1000 mg/l
Iron (Fe)	: 500 mg/l
Cobalt (Co)	: 250 mg/l
Nickel (Ni)	: 200 mg/l
Vanadium (V)	: 250 mg/l
Chromium (Cr)	: 50 mg/l

Copper (Cu)	: 125 mg/l
Silver (Ag)	: 50 mg/l
Beryllium (Be)	: 25 mg/l
Manganese (Mn)	: 75 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13656.0100	100 ml	PE
CL01.13656.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Contract Laboratory Program Multi Element Standards

Multi Element ICP INT Standard sol. INT-B1 (12E) — CL01.13686

*ICP-EPA-CLP Methods - Analyte Solution CLP-PAN-01 - Primary Analytes — Contains 12 element in 5% HNO3 (INT-A2) - (CLP-PAN-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Silver (Ag)	: 100 mg/l
Barium (Ba)	: 50 mg/l
Beryllium (Be)	: 50 mg/l
Cadmium (Cd)	: 100 mg/l
Cobalt (Co)	: 50 mg/l
Chromium (Cr)	: 50 mg/l
Copper (Cu)	: 50 mg/l
Manganese (Mn)	: 50 mg/l
Nickel (Ni)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Vanadium (V)	: 50 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13686.0100	100 ml	PE
CL01.13686.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-B2 (12E) — CL01.13684

*ICP-EPA-CLP Methods (DIN 38406) - Interference Check Standard (INT) - Alternate Analytes — Contains 12 element in 5% HNO3 (INT-B2) - (CLP-PAN-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Boron (B)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Antimony (Sb)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Calcium (Ca)	: 10 mg/l
Iron (Fe)	: 10 mg/l
Magnesium (Mg)	: 10 mg/l
Silicon (Si)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13684.0100	100 ml	PE
CL01.13684.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-03 (7E) — CL01.13643

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) — Contains 7 elements in 5% HNO3 (CAL-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 2000 mg/l
Barium (Ba)	: 2000 mg/l
Beryllium (Be)	: 50 mg/l
Cobalt (Co)	: 500 mg/l
Copper (Cu)	: 250 mg/l
Iron (Fe)	: 1000 mg/l
Vanadium (V)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13643.0100	100 ml	PE
CL01.13643.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-A2 (6E) — CL01.13683

*ICP-EPA-CLP Methods (DIN 38406) - Interference Check Standard (INT) - Alternate Interferents — Contains 6 element in 5% HNO3 (INT-A2) - (CLP-PIN-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 1000 mg/l
Copper (Cu)	: 1000 mg/l
Manganese (Mn)	: 1000 mg/l
Nickel (Ni)	: 1000 mg/l
Titanium (Ti)	: 1000 mg/l
Vanadium (V)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13683.0100	100 ml	PE
CL01.13683.0500	500 ml	PE/H

Contract Laboratory Program Multi Element Standards

Multi Element ICP CAL Standard sol. CAL-04 (5E) — CL01.13644

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 5 elements in 5% HNO3 (CAL-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 100 mg/l
Cadmium (Cd)	: 50 mg/l
Lead (Pb)	: 50 mg/l
Selenium (Se)	: 50 mg/l
Thallium (Tl)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13644.0100	100 ml	PE
CL01.13644.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. CCV-02 (5E) — CL01.13657

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 5 elements in 5% HNO3 (CCV-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Readily Carbonizable Substances	: 50 mg/l
Lead (Pb)	: 25 mg/l
Selenium (Se)	: 25 mg/l
Thallium (Tl)	: 50 mg/l
Cadmium (Cd)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13657.0100	100 ml	PE
CL01.13657.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-02 (5E) — CL01.13642

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 5 elements in 5% HNO3 (CAL-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 100 mg/l
Manganese (Mn)	: 150 mg/l
Nickel (Ni)	: 400 mg/l
Silver (Ag)	: 100 mg/l
Zinc (Zn)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13642.0100	100 ml	PE
CL01.13642.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-01 (4E) — CL01.13641

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 4 elements in 5% HNO3 (CAL-01)

Density 1.10 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Potassium (K)	: 5000 mg/l
Sodium (Na)	: 5000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13641.0100	100 ml	PE
CL01.13641.0500	500 ml	PE/H

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Contract Laboratory Program Multi Element Standards

Multi Element ICP INT Standard sol. INT-A1 (4E) — CL01.13681

*ICP-EPA-CLP Methods (DIN 38406 - 6010B) - Interference Check Standard (INT) - Primary Interferents (CLP - PIN-01)

Contains 4 element in 5% HNO3 (INT-A1) -

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Aluminium (Al)	: 5000 mg/l
Calcium (Ca)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Iron (Fe)	: 2000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13681.0100	100 ml	PE
CL01.13681.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-07 (3E) — CL01.13647

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL)

Contains 3 elements in 5% HNO3 + traces HF (CAL-07)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Boron (B)	: 500 mg/l
Molybdenum (Mo)	: 500 mg/l
Silicon (Si)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13647.0100	100 ml	PE
CL01.13647.0500	500 ml	PE/H

Mono Element ICP CAL Standard sol. CAL-05 (1E) — CL01.13645

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL)

Contains 1 elements in 2% HNO3 (CAL-05)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Antimony (Sb)	: 600 mg/l

Art. Nr.	Pack	Pack Type
CL01.13645.0100	100 ml	PE
CL01.13645.0500	500 ml	PE/H

Multi Element ICP Blank sol. (CLP-BLMA) — CL01.13994

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Mixed Acid Blank

Contains 5% HCl + 1% HNO3 in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H317
PNrs P280-P305 + P351 + P338

WARNING.

Art. Nr.	Pack	Pack Type
CL01.13994.1000	1 l	PE/H
CL01.13994.2500	2,5 l	PE

Multi Element ICP Blank sol. (CLP-BLW) — CL01.13993

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - ASTM Type II Water

ASTM Type II Water

Density 1.00 g/ml
HS Nr 38220000

Art. Nr.	Pack	Pack Type
CL01.13993.1000	1 l	PE/H
CL01.13993.2500	2,5 l	PE/H

Contract Laboratory Program Multi Element Standards

Multi Element ICP Blank sol. (CLP-BLH) CL01.13992

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Hydrochloric Acid Blank — Contains 5% HCl in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000
UN 1789
ADR 8,II
IATA 8,II
IMDG 8,II
HNrs H317
PNrs P280
WARNING.

Art. Nr.	Pack	Pack Type
CL01.13992.1000	1 l	PE/H
CL01.13992.2500	2,5 l	PE/H

Mono Element ICP ICV Standard sol. CCV-03 (1E) CL01.13658

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) — Contains 1 elements in 2% HNO3 (CCV-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb) : 300 mg/l

Art. Nr.	Pack	Pack Type
CL01.13658.0100	100 ml	PE
CL01.13658.0500	500 ml	PE/H

Mono Element ICP CAL Standard sol. CAL-06 (1E) CL01.13646

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) — Contains 1 elements in 5% HNO3 (CAL-06)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Mercury (Hg) : 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13646.0100	100 ml	PE
CL01.13646.0500	500 ml	PE/H

Multi Element ICP Blank sol. (CLP-BLN) CL01.13991

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - Nitric Acid Blank — Contains 5% HNO3 in ASTM Type II Water

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Art. Nr.	Pack	Pack Type
CL01.13991.1000	1 l	PE/H
CL01.13991.2500	2,5 l	PE

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP ICV Standard sol. ICV-01-R (22E) — CL01.13655

*ICP-EPA-CLP Methods (DIN 38406) - Initial Calibration Verification Standard (ICV)

Contains 22 elements in 5% HNO3 (ICV-01-R)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 500 mg/l
Potassium (K)	: 500 mg/l
Magnesium (Mg)	: 500mg/l
Sodium (Na)	: 500 mg/l
Aluminium (Al)	: 200 mg/l
Barium (Ba)	: 200 mg/l
Iron (Fe)	: 100 mg/l
Antimony (Sb)	: 60 mg/l
Cobalt (Co)	: 50 mg/l
Vanadium (V)	: 50 mg/l
Nickel (Ni)	: 40 mg/l
Copper (Cu)	: 25 mg/l
Zinc (Zn)	: 20 mg/l
Manganese (Mn)	: 15 mg/l

Silver (Ag)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Beryllium (Be)	: 5 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 5 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13655.0100	100 ml	PE
CL01.13655.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. ICV-01 (22E) — CL01.13651

*ICP-EPA-CLP Methods (DIN 38406) - Initial Calibration Verification Standard (ICV)

Contains 22 elements in 5% HNO3 (ICV-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 5000 mg/l
Potassium (K)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Sodium (Na)	: 5000 mg/l
Aluminium (Al)	: 200 mg/l
Barium (Ba)	: 200 mg/l
Iron (Fe)	: 100 mg/l
Antimony (Sb)	: 60 mg/l
Cobalt (Co)	: 50 mg/l
Vanadium (V)	: 50 mg/l
Nickel (Ni)	: 40 mg/l
Copper (Cu)	: 25 mg/l
Zinc (Zn)	: 20 mg/l
Manganese (Mn)	: 15 mg/l

Silver (Ag)	: 10 mg/l
Arsenic (As)	: 10 mg/l
Chromium (Cr)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Beryllium (Be)	: 5 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 5 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13651.0100	100 ml	PE
CL01.13651.0500	500 ml	PE/H

Multi Element ICP Spike Standard sol. Spike-1 (18E) — CL01.13671

ICP-EPA-CLP Methods (DIN 38406) - Spiking standard for ICP and AA

Contains 18 elements in 5% HNO3 (Spike-1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 200 mg/l
Arsenic (As)	: 200 mg/l
Barium (Ba)	: 200 mg/l
Selenium (Se)	: 200 mg/l
Thallium (Tl)	: 200 mg/l
Iron (Fe)	: 100 mg/l
Antimony (Sb)	: 50 mg/l
Cobalt (Co)	: 50 mg/l
Lead (Pb)	: 50 mg/l
Manganese (Mn)	: 50 mg/l
Nickel (Ni)	: 50 mg/l
Vanadium (V)	: 50 mg/l

Zinc (Zn)	: 50 mg/l
Copper (Cu)	: 25 mg/l
Chromium (Cr)	: 20 mg/l
Beryllium (Be)	: 5 mg/l
Cadmium (Cd)	: 5 mg/l
Silver (Ag)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13671.0100	100 ml	PE
CL01.13671.0500	500 ml	PE/H

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP ICV Standard sol. CCV-01 (16E) — CL01.13656

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 16 elements in 5% HNO3 (CCV-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 2500 mg/l
Potassium (K)	: 2500 mg/l
Magnesium (Mg)	: 2500 mg/l
Sodium (Na)	: 2500 mg/l
Aluminium (Al)	: 1000 mg/l
Barium (Ba)	: 1000 mg/l
Iron (Fe)	: 500 mg/l
Cobalt (Co)	: 250 mg/l
Nickel (Ni)	: 200 mg/l
Vanadium (V)	: 250 mg/l
Chromium (Cr)	: 50 mg/l
Copper (Cu)	: 125 mg/l
Silver (Ag)	: 50 mg/l
Beryllium (Be)	: 25 mg/l
Manganese (Mn)	: 75 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13656.0100	100 ml	PE
CL01.13656.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-B3 (16E) — CL01.13685

ICP-EPA-CLP Methods (DIN 38406) - Interference Check Standard (INT) Contains 16 element in 5% HNO3 (INT-B3)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Cadmium (Cd)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Zinc (Zn)	: 100 mg/l
Antimony (Sb)	: 60 mg/l
Barium (Ba)	: 50 mg/l
Beryllium (Be)	: 50 mg/l
Cobalt (Co)	: 50 mg/l
Chromium (Cr)	: 50 mg/l
Copper (Cu)	: 50 mg/l
Manganese (Mn)	: 50 mg/l
Vanadium (V)	: 50 mg/l
Silver (Ag)	: 20 mg/l
Arsenic (As)	: 10 mg/l
Thallium (Tl)	: 10 mg/l
Lead (Pb)	: 5 mg/l
Selenium (Se)	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.13685.0100	100 ml	PE
CL01.13685.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. CCV-01 (16E) — CL01.13652

ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 16 elements in 5% HNO3 (CCV-01)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 2000 mg/l
Potassium (K)	: 2000 mg/l
Magnesium (Mg)	: 2000 mg/l
Sodium (Na)	: 2000 mg/l
Aluminium (Al)	: 1000 mg/l
Barium (Ba)	: 1000 mg/l
Iron (Fe)	: 1000 mg/l
Cobalt (Co)	: 500 mg/l
Nickel (Ni)	: 500 mg/l
Vanadium (V)	: 500 mg/l
Chromium (Cr)	: 200 mg/l
Copper (Cu)	: 200 mg/l
Silver (Ag)	: 100 mg/l
Beryllium (Be)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Zinc (Zn)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13652.0100	100 ml	PE
CL01.13652.0500	500 ml	PE/H

Multi Element ICP Spike Standard sol. Spike-3 (16E) — CL01.13675

ICP-EPA-CLP Methods (DIN 38406) - Spiking standard for ICP and AA Contains 16 element in 5% HNO3 (Spike-3)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 400 mg/l
Barium (Ba)	: 400 mg/l
Selenium (Se)	: 400 mg/l
Thallium (Tl)	: 400 mg/l
Antimony (Sb)	: 100 mg/l
Cobalt (Co)	: 100 mg/l
Lead (Pb)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Nickel (Ni)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Zinc (Zn)	: 100 mg/l
Copper (Cu)	: 50 mg/l
Chromium (Cr)	: 40 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Silver (Ag)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13675.0100	100 ml	PE
CL01.13675.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP CAL Standard sol. CAL-08 (16E) — CL01.13648

ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) — Contains 16 elements in 5% HNO3 (CAL-08)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Potassium (K)	: 5000 mg/l
Sodium (Na)	: 5000 mg/l
Aluminium (Al)	: 2000 mg/l
Barium (Ba)	: 2000 mg/l
Iron (Fe)	: 1000 mg/l
Cobalt (Co)	: 500 mg/l
Manganese (Mn)	: 500 mg/l
Nickel (Ni)	: 500 mg/l
Vanadium (V)	: 500 mg/l
Zinc (Zn)	: 500 mg/l
Copper (Cu)	: 250 mg/l
Silver (Ag)	: 250 mg/l
Chromium (Cr)	: 200 mg/l
Beryllium (Be)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13648.0100	100 ml	PE
CL01.13648.0500	500 ml	PE/H

Multi Element ICP CRDL Standard sol. CRDL-1 (15E) — CL01.13661

ICP-EPA-CLP Methods (DIN 38406) - Contract requiered detection limits standard (CRDL) — Contains 15 elements in 5% HNO3 (CRDL-1)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 120 mg/l
Cobalt (Co)	: 100 mg/l
Vanadium (V)	: 100 mg/l
Nickel (Ni)	: 80 mg/l
Copper (Cu)	: 50 mg/l
Zinc (Zn)	: 40 mg/l
Manganese (Mn)	: 30 mg/l
Arsenic (As)	: 20 mg/l
Chromium (Cr)	: 20 mg/l
Silver (Ag)	: 20 mg/l
Thallium (Tl)	: 20 mg/l
Beryllium (Be)	: 10 mg/l
Cadmium (Cd)	: 10 mg/l
Selenium (Se)	: 10 mg/l
Lead (Pb)	: 6 mg/l

Art. Nr.	Pack	Pack Type
CL01.13661.0100	100 ml	PE
CL01.13661.0500	500 ml	PE/H

Multi Element ICP Spike Standard sol. Spike-2A (12E) — CL01.13672

ICP-EPA-CLP Methods (DIN 38406) - Spiking standard for ICP and AA — Contains 12 elements in 5% HNO3 (Spike-2A)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 2000 mg/l
Barium (Ba)	: 2000 mg/l
Iron (Fe)	: 1000 mg/l
Cobalt (Co)	: 500 mg/l
Manganese (Mn)	: 500 mg/l
Nickel (Ni)	: 500 mg/l
Vanadium (V)	: 500 mg/l
Zinc (Zn)	: 500 mg/l
Copper (Cu)	: 250 mg/l
Chromium (Cr)	: 200 mg/l
Beryllium (Be)	: 50 mg/l
Silver (Ag)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13672.0100	100 ml	PE
CL01.13672.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-B2 (12E) — CL01.13684

*ICP-EPA-CLP Methods (DIN 38406) - Interference Check Standard (INT) - Alternate Analytes — Contains 12 element in 5% HNO3 (INT-B2) - (CLP-PAN-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 100 mg/l
Arsenic (As)	: 100 mg/l
Boron (B)	: 100 mg/l
Molybdenum (Mo)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Antimony (Sb)	: 100 mg/l
Selenium (Se)	: 100 mg/l
Thallium (Tl)	: 100 mg/l
Calcium (Ca)	: 10 mg/l
Iron (Fe)	: 10 mg/l
Magnesium (Mg)	: 10 mg/l
Silicon (Si)	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.13684.0100	100 ml	PE
CL01.13684.0500	500 ml	PE/H

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP CRDL Standard sol. CRDL-4A (9E) — CL01.13662

ICP-EPA-CLP Methods (DIN 38406) - Contract requiered detection limits standard (CRDL) Contains 9 elements in 5% HNO3 (CRDL-4A)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Cobalt (Co)	: 1000 mg/l
Vanadium (V)	: 1000 mg/l
Nickel (Ni)	: 800 mg/l
Copper (Cu)	: 500 mg/l
Zinc (Zn)	: 400 mg/l
Manganese (Mn)	: 300 mg/l
Chromium (Cr)	: 200 mg/l
Silver (Ag)	: 200 mg/l
Beryllium (Be)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13662.0100	100 ml	PE
CL01.13662.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-03 (7E) — CL01.13643

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 7 elements in 5% HNO3 (CAL-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Aluminium (Al)	: 2000 mg/l
Barium (Ba)	: 2000 mg/l
Beryllium (Be)	: 50 mg/l
Cobalt (Co)	: 500 mg/l
Copper (Cu)	: 250 mg/l
Iron (Fe)	: 1000 mg/l
Vanadium (V)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13643.0100	100 ml	PE
CL01.13643.0500	500 ml	PE/H

Multi Element ICP INT Standard sol. INT-A2 (6E) — CL01.13683

*ICP-EPA-CLP Methods (DIN 38406) - Interference Check Standard (INT) - Alternate Interferents Contains 6 element in 5% HNO3 (INT-A2) - (CLP-PIN-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 1000 mg/l
Copper (Cu)	: 1000 mg/l
Manganese (Mn)	: 1000 mg/l
Nickel (Ni)	: 1000 mg/l
Titanium (Ti)	: 1000 mg/l
Vanadium (V)	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13683.0100	100 ml	PE
CL01.13683.0500	500 ml	PE/H

Multi Element ICP Spike Standard sol. Spike-2C (5E) — CL01.13674

ICP-EPA-CLP Methods (DIN 38406) - Spiking standard for ICP and AA Contains 5 element in 5% HNO3 (Spike-2C)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 2000 mg/l
Selenium (Se)	: 2000 mg/l
Thallium (Tl)	: 2000 mg/l
Lead (Pb)	: 500 mg/l
Cadmium (Cd)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13674.0100	100 ml	PE
CL01.13674.0500	500 ml	PE/H

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP CAL Standard sol. CAL-04 (5E) — CL01.13644

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 5 elements in 5% HNO3 (CAL-04)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 100 mg/l
Cadmium (Cd)	: 50 mg/l
Lead (Pb)	: 50 mg/l
Selenium (Se)	: 50 mg/l
Thallium (Tl)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13644.0100	100 ml	PE
CL01.13644.0500	500 ml	PE/H

Multi Element CAL Standard sol. CAL-08A (5E) — CL01.13649

ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 5 elements in 5% HNO3 (CAL-08A)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 1000 mg/l
Lead (Pb)	: 1000 mg/l
Selenium (Se)	: 1000 mg/l
Thallium (Tl)	: 1000 mg/l
Cadmium (Cd)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13649.0100	100 ml	PE
CL01.13649.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-02 (5E) — CL01.13642

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 5 elements in 5% HNO3 (CAL-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Chromium (Cr)	: 100 mg/l
Manganese (Mn)	: 150 mg/l
Nickel (Ni)	: 400 mg/l
Silver (Ag)	: 100 mg/l
Zinc (Zn)	: 200 mg/l

Art. Nr.	Pack	Pack Type
CL01.13642.0100	100 ml	PE
CL01.13642.0500	500 ml	PE/H

Multi Element ICP ICV Standard sol. CCV-02 (5E) — CL01.13657

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 5 elements in 5% HNO3 (CCV-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Readily Carbonizable Substances	: 50 mg/l
Lead (Pb)	: 25 mg/l
Selenium (Se)	: 25 mg/l
Thallium (Tl)	: 50 mg/l
Cadmium (Cd)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13657.0100	100 ml	PE
CL01.13657.0500	500 ml	PE/H

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Multi Element ICP ICV Standard sol. CCV-03 (5E) — CL01.13654

ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 5 elements in 5% HNO3 (CCV-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Arsenic (As)	: 500 mg/l
Lead (Pb)	: 500 mg/l
Selenium (Se)	: 500 mg/l
Thallium (Tl)	: 500 mg/l
Cadmium (Cd)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13654.0100	100 ml	PE
CL01.13654.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-01 (4E) — CL01.13641

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 4 elements in 5% HNO3 (CAL-01)

Density 1.10 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Calcium (Ca)	: 5000 mg/l
Magnesium (Mg)	: 5000 mg/l
Potassium (K)	: 5000 mg/l
Sodium (Na)	: 5000 mg/l

Art. Nr.	Pack	Pack Type
CL01.13641.0100	100 ml	PE
CL01.13641.0500	500 ml	PE/H

Multi Element ICP CAL Standard sol. CAL-07 (3E) — CL01.13647

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 3 elements in 5% HNO3 + traces HF (CAL-07)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Boron (B)	: 500 mg/l
Molybdenum (Mo)	: 500 mg/l
Silicon (Si)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13647.0100	100 ml	PE
CL01.13647.0500	500 ml	PE/H

Mono Element ICP Spike Standard sol. Spike-2B (1E) — CL01.13673

*ICP-EPA-CLP Methods (DIN 38406) - Spiking standard for ICP and AA Contains 1 element in 2% HNO3 (Spike-2B)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	500mg/L

Art. Nr.	Pack	Pack Type
CL01.13673.0100	100 ml	PE
CL01.13673.0500	500 ml	PE/H

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

DIN 38406
German standard methods for the examination of water, waste water and sludge - Cations

Mono Element ICP CAL Standard sol. CAL-06 (1E) CL01.13646

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 1 elements in 5% HNO3 (CAL-06)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Mercury (Hg)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13646.0100	100 ml	PE
CL01.13646.0500	500 ml	PE/H

Mono Element ICP ICV Standard sol. CCV-02 (1E) CL01.13653

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 1 elements in 2% HNO3 (CCV-02)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Sb 1000mg/l
± 0.3%

Art. Nr.	Pack	Pack Type
CL01.13653.0100	100 ml	PE
CL01.13653.0500	500 ml	PE/H

Mono Element ICP ICV Standard sol. CCV-03 (1E) CL01.13658

*ICP-EPA-CLP Methods (DIN 38406) - Continuing Calibration Verification Standard (CCV) Contains 1 elements in 2% HNO3 (CCV-03)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 300 mg/l

Art. Nr.	Pack	Pack Type
CL01.13658.0100	100 ml	PE
CL01.13658.0500	500 ml	PE/H

Mono Element ICP CAL Standard sol. CAL-05 (1E) CL01.13645

*ICP-EPA-CLP Methods (DIN 38406) - Instrument Calibration Standard (CAL) Contains 1 elements in 2% HNO3 (CAL-05)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 600 mg/l

Art. Nr.	Pack	Pack Type
CL01.13645.0100	100 ml	PE
CL01.13645.0500	500 ml	PE/H

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

1.2

1 Inorganic Standards

1.2 AA Standards

AA Single Element Standards 1 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0106	CL01.0107	CL01.0105							
Sb		CL01.0126				CL01.0127				
As	CL01.0138	CL01.0137	CL01.0135					CL01.0136		
Ba	CL01.0206	CL01.0207								
Be	CL01.0217	CL01.0216								
Bi	CL01.0226									
B	CL01.0237		CL01.0236							
Cd	CL01.0306	CL01.0398	CL01.0305							
Ca	CL01.0316	CL01.0317								
Cr	CL01.0367	CL01.0366	CL01.0365 / CL01.0356							
Co	CL01.1126	CL01.1127	CL01.1125							
Cu	CL01.1136	CL01.1137	CL01.1135							
In	CL01.0926									
Fe	CL01.0906	CL01.0907	CL01.0905							
Pb	CL01.1226		CL01.1125							
Li	CL01.1217	CL01.1216								
Mg	CL01.1306	CL01.1307								
Mn	CL01.1316	CL01.1317	CL01.1315							
Hg	CL01.1156		CL01.1155							
Mo						CL01.1336				
Ni	CL01.1426	CL01.1427	CL01.1425							
Nb					CL01.1436					
P			CL01.0635							
K	CL01.1106	CL01.1107								
Se	CL01.1927	CL01.1926	CL01.1925							
Si								CL01.1936		
Ag	CL01.2606		CL01.2605							
Na	CL01.1406	CL01.1407								
Sr	CL01.1967	CL01.1966								
S			CL01.2646							CL01.2645
Te		CL01.2017				CL01.2018		CL01.2016		
Tl	CL01.2036									
Sn		CL01.2066								
Ti		CL01.2077			CL01.2076					
W				CL01.2308	CL01.2306					
V	CL01.2206			CL01.2205						CL01.2208
Y	CL01.2516									
Zn	CL01.2616	CL01.2617	CL01.2615							
Zr		CL01.2637			CL01.2636					

AA Single Element Standards 1 000 mg/L

Aluminium			
Aluminium	8.948 g AlCl3.6H2O / l H2O	500 ml	CL01.0105.0500
Aluminium	8.948 g AlCl3.6H2O / l 2 to 5% HCl	500 ml	CL01.0107.0500
Aluminium	13.903 g Al(NO3)3.9H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0106.0250 CL01.0106.0500
Antimony			
Antimony	1 g Sb / l 2 to 5% HNO3 + traces HF	500 ml	CL01.0127.0500
Antimony	1.874 g SbCl3 / l 10 to 20% HCl	250 ml 500 ml	CL01.0126.0250 CL01.0126.0500
Arsenicum			
Arsenicum	1.734 g NaAsO2 / l H2O	500 ml	CL01.0135.0500
Arsenicum	1.32 g As2O3 / l 2% KOH	500 ml	CL01.0136.0500
Arsenicum	1.32 g As2O3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.0138.0250 CL01.0138.0500
Arsenicum	1.32 g As2O3 / l 2 to 5% HCl	500 ml	CL01.0137.0500
Barium			
Barium	1.779 g BaCl2.2H2O / l 2 to 5% HCl	500 ml	CL01.0207.0500
Barium	1.903 g Ba(NO3)2 / l 2 to 5% HNO3	250 ml 500 ml	CL01.0206.0250 CL01.0206.0500
Beryllium			
Beryllium	22.76 g Be(NO3)2.4H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0217.0250 CL01.0217.0500
Beryllium	8.868 g BeCl2 / l 2 to 5% HCl	500 ml	CL01.0216.0500
Bismuth			
Bismuth	1.3733 g BiO(NO3) ~0.5 mol/l HNO3	500 ml	CL01.0225.0500
Bismuth	2.321 g Bi(NO3)3.5H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0226.0250 CL01.0226.0500
Boron			
Boron	5.719 g H3BO3 / l H2O	250 ml 500 ml	CL01.0236.0250 CL01.0236.0500
Boron	5.72 g H3BO3 / l 2 to 5% HNO3	500 ml	CL01.0237.0500
Cadmium			
Cadmium	2.745 g Cd(NO3)2.4H2O / l H2O	500 ml	CL01.0305.0500
Cadmium	2.745 g Cd(NO3)2.4H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0306.0250 CL01.0306.0500
Cadmium	2.031 g CdCl2.5H2O / l 2 % HCl	250 ml 500 ml	CL01.0398.0250 CL01.0398.0500
Calcium			
Calcium	3.668 g CaCl2.2H2O / l 2 to 5% HCl	500 ml	CL01.0317.0500
Calcium	5.892 g Ca(NO3)2.4H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0316.0250 CL01.0316.0500

AA Single Element Standards 1 000 mg/L

Calcium oxide			
Calcium oxide	1.79 g CaCO3 / l 2 to 5% HNO3	500 ml	CL01.0318.0500
Chromium			
Chromium	7.696 g Cr(NO3)3.9H2O / l H2O	500 ml	CL01.0365.0500
Chromium	5.124 g CrCl3.6H2O / l 2 to 5% HCl	500 ml	CL01.0366.0500
Chromium	2.829 g K2Cr2O7 / l H2O	500 ml	CL01.0356.0500
Chromium	7.696 g Cr(NO3)3.9H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0367.0250 CL01.0367.0500
Cobalt			
Cobalt	4.938 g Co(NO3)2.6H2O / l H2O	500 ml	CL01.1125.0500
Cobalt	4.938 g Co(NO3)2.6H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.1126.0250 CL01.1126.0500
Cobalt	4.037 g CoCl2.6H2O / l 2 to 5% HCl	500 ml	CL01.1127.0500
Copper			
Copper	3.802 g Cu(NO3)2.3H2O / l H2O	500 ml	CL01.1135.0500
Copper	2.683 g CuCl2.2H2O/ l 2 to 5% HCl	500 ml	CL01.1137.0500
Copper	3.802 g Cu(NO3)2.3H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.1136.0250 CL01.1136.0500
Indium			
Indium	1.21 g In2O3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.0926.0250 CL01.0926.0500
Iron			
Iron	7.234 g Fe(NO3)3.9H2O / l H2O	500 ml	CL01.0905.0500
Iron	4.840 g FeCl3.6H2O / l 2 to 5% HCl	500 ml	CL01.0907.0500
Iron	7.234 g Fe(NO3)3.9H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.0906.0250 CL01.0906.0500
Lead			
Lead	1.599 g Pb(NO3)2 / l H2O	500 ml	CL01.1225.0500
Lead	1.599 g Pb(NO3)2 / l 2 to 5% HNO3	250 ml 500 ml	CL01.1226.0250 CL01.1226.0500
Lithium			
Lithium	5.33 g Li2CO3 / l 2 to 5% HCl	500 ml	CL01.1216.0500
Lithium	5.33 g Li2CO3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.1217.0250 CL01.1217.0500
Magnesium			
Magnesium	8.363 g MgCl2.6H2O / l 2 to 5% HCl	500 ml	CL01.1307.0500
Magnesium	10.547 g Mg(NO3)2.6H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.1306.0250 CL01.1306.0500
Magnesium oxide			
Magnesium oxide	0.603 g Mg / l 2 to 5% HNO3	500 ml	CL01.1308.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

AA Single Element Standards 1 000 mg/L

Manganese			
Manganese	4.569 g Mn(NO3)2.4H2O / l H2O	500 ml	CL01.1315.0500
Manganese	3.602 g MnCl2.4H2O / l 2 to 5% HCl	500 ml	CL01.1317.0500
Manganese	4.569 g Mn(NO3)2.4H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.1316.0250 CL01.1316.0500
Mercury			
Mercury	1.708 g Hg(NO3)2.1H2O / l H2O	500 ml	CL01.1155.0500
Mercury	1.708 g Hg(NO3)2.1H2O/ l 2 to 5% HNO3	250 ml 500 ml	CL01.1156.0250 CL01.1156.0500
Molybdenum			
Molybdenum	1 g Mo / l 2 to 5% HNO3 + traces HF	250 ml 500 ml	CL01.1336.0250 CL01.1336.0500
Nickel			
Nickel	4.049 g NiCl2.6H2O / l 2 to 5% HCl	500 ml	CL01.1427.0500
Nickel	4.953 g Ni(NO3)2.6H2O / l H2O	500 ml	CL01.1425.0500
Nickel	4.953 g Ni(NO3)2.6H2O/ l 2 to 5% HNO3	250 ml 500 ml	CL01.1426.0250 CL01.1426.0500
Niobium			
Niobium	1 g Nb / l 5% HF	500 ml	CL01.1436.0500
Phosphorus			
Phosphorus	3.164 g H3PO4 / l H2O	250 ml 500 ml	CL01.0635.0250 CL01.0635.0500
Phosphorus	4.264 g (NH4)2HPO4 / l H2O	500 ml	CL01.0636.0500
Phosphorus pentoxide			
Phosphorus pentoxide	1.381 g H3PO4 / l H2O	500 ml	CL01.0626.0500
Potassium			
Potassium	1.907 g KCl / l 2 to 5% HCl	500 ml	CL01.1107.0500
Potassium	2.586 g KNO3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.1106.0250 CL01.1106.0500
Potassium oxide			
Potassium oxide	2.15 g KNO3 / l 2 to 5% HNO3	500 ml	CL01.1108.0500
Selenium			
Selenium	1 g Se / l 2 to 5% HNO3	250 ml 500 ml	CL01.1927.0250 CL01.1927.0500
Selenium	1 g Se / l 10% HCl	500 ml	CL01.1926.0500
Selenium	4.674 g Na2SeO4.10H2O / l H2O	500 ml	CL01.1925.0500
Silicium			
Silicium	2.14 g SiO2 / l 2% KOH	250 ml 500 ml	CL01.1936.0250 CL01.1936.0500

AA Single Element Standards 1 000 mg/L

Silver			
Silver	1.575 g AgNO3 / l H2O	500 ml	CL01.2605.0500
Silver	1.575 g AgNO3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.2606.0250 CL01.2606.0500
Sodium			
Sodium	2.5422 g NaCl / l 2 to 5% HCl	500 ml	CL01.1407.0500
Sodium	3.698 g NaNO3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.1406.0250 CL01.1406.0500
Sodium oxide			
Sodium oxide	2.75 g NaNO3 / l 2 to 5% HNO3	500 ml	CL01.1408.0500
Strontium			
Strontium	3.043 g SrCl2.6H2O / l 2 to 5% HCl	500 ml	CL01.1966.0500
Strontium	2.416 g Sr(NO3)x2 / l 2 to 5% HNO3	250 ml 500 ml	CL01.1967.0250 CL01.1967.0500
Sulfur			
Sulfur	3.059 g H2SO4 / l H2O	250 ml 500 ml	CL01.2645.0250 CL01.2645.0500
Sulfur	4.121 g (NH4)2SO4 / l H2O	500 ml	CL01.2646.0500
Tellurium			
Tellurium	1 g Te / l 2% KOH	500 ml	CL01.2016.0500
Tellurium	1 g Te / l 2 to 5% HNO3 + traces HF	250 ml 500 ml	CL01.2018.0250 CL01.2018.0500
Tellurium	1 g Te / l 10 to 20% HCl	500 ml	CL01.2017.0500
Thallium			
Thallium	1.117 g Tl2O3 / l 2 to 5% HNO3	250 ml 500 ml	CL01.2036.0250 CL01.2036.0500
Tin			
Tin	2.154 g SnCl2.2H2O / l 10 to 20% HCl	250 ml 500 ml	CL01.2066.0250 CL01.2066.0500
Titanium			
Titanium	1 g Ti / l 5% HF	500 ml	CL01.2076.0500
Titanium	3.962 g TiCl4 / l 10 to 20% HCl	250 ml 500 ml	CL01.2077.0250 CL01.2077.0500
Tungsten			
Tungsten	1 g W / l 5% HF	500 ml	CL01.2306.0500
Tungsten	1.261 g WO3 / l 2% NH4OH	250 ml 500 ml	CL01.2308.0250 CL01.2308.0500
Vanadium			
Vanadium	1.785 g V2O5 / l 2 to 5% HNO3	250 ml 500 ml	CL01.2206.0250 CL01.2206.0500
Vanadium	3.278 g VOSO4 / l 0.5 mol/l H2SO4	500 ml	CL01.2208.0500
Vanadium	2.296 g NH4VO3 / l dil. NH4OH	500 ml	CL01.2205.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

AA Single Element Standards 1 000 mg/L

Yttrium

Yttrium	4.31 g Y(NO3)3.6H2O / l 2 to 5% HNO3	500 ml	CL01.2516.0500

Zinc

Zinc	3.998 g Zn(NO3)2.4H2O / l H2O	500 ml	CL01.2615.0500
Zinc	2.085 g ZnCl2 / l 2 to 5% HCl	500 ml	CL01.2617.0500
Zinc	3.998 g Zn(NO3)2.4H2O / l 2 to 5% HNO3	250 ml 500 ml	CL01.2616.0250 CL01.2616.0500

Zirconium

Zirconium	3.533 g ZrOCl2.8H2O / l 2 to 5% HCl	250 ml 500 ml	CL01.2637.0250 CL01.2637.0500
Zirconium	3.533 g ZrOCl2.8H2O / l 2 mol/l HCl	500 ml	CL01.2635.0500
Zirconium	1.351 g ZrO2 / l 5% HF	500 ml	CL01.2636.0500

Graphite Furnace Multi Element Standards

Multi Element AAS Standard sol. GFAA ICV-AA (6E) — CL01.13695

*GFAA-EPA-CLP Methods - Initial Calibration Verification (Meets CLP Second Source Requirements) Contains 6 elements in 5% HNO3 (GFAA-CLP-ICV-AA)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 50 mg/l
Arsenic (As)	: 25 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 25 mg/l
Selenium (Se)	: 50 mg/l
Thallium (Tl)	: 25 mg/l

Art. Nr.	Pack	Pack Type
CL01.13695.0100	100 ml	PE
CL01.13695.0500	500 ml	PE/H

Multi Element AAS Standard sol. GFAA CAL (6E) — CL01.13691

*GFAA-EPA-CLP Methods - Instrument Calibration Standard (CAL) Contains 6 element in 5% HNO3 (GFAA-CLP-CAL-AA)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 50 mg/l
Cadmium (Cd)	: 10 mg/l
Lead (Pb)	: 50 mg/l
Selenium (Se)	: 100 mg/l
Thallium (Tl)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13691.0100	100 ml	PE
CL01.13691.0500	500 ml	PE/H

Multi Element AAS Standard sol. GFAA SP2-AA (6E) — CL01.13694

*GFAA-EPA-CLP Methods - Postdigestion Spike Solution (2xCRDL exept for Lead) Contains 6 elements in 5% HNO3 (GFAA-CLP-SP2-AA)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 120 mg/l
Arsenic (As)	: 20 mg/l
Cadmium (Cd)	: 10 mg/l
Lead (Pb)	: 20 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 20 mg/l

Art. Nr.	Pack	Pack Type
CL01.13694.0100	100 ml	PE
CL01.13694.0500	500 ml	PE/H

Multi Element AAS Standard sol. GFAA SP1-AA (6E) — CL01.13693

*GFAA-EPA-CLP Methods - Predigestion Spike Solution Contains 6 elements in 5% HNO3 (GFAA-CLP-SP1-AA)

Density 1.02 g/ml
HS Nr 38220000
UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III
HNrs H315
PNrs P280-P305 + P351 + P338
WARNING.

Antimony (Sb)	: 100 mg/l
Arsenic (As)	: 40 mg/l
Cadmium (Cd)	: 5 mg/l
Lead (Pb)	: 20 mg/l
Selenium (Se)	: 10 mg/l
Thallium (Tl)	: 50 mg/l

Art. Nr.	Pack	Pack Type
CL01.13693.0100	100 ml	PE
CL01.13693.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Mono Element AAS Standard sol. GFAA HG-AA (1E) CL01.13692

*GFAA-EPA-CLP Methods - Mercury Standard for Calibration or Spiking Contains 1 element in 5% HNO3 (GFAA-CLP-HG-AA)

Density 1.02 g/ml
HS Nr 38220000

UN 3264
ADR 8,III
IATA 8,III
IMDG 8,III

HNrs H315
PNrs P280-P305 + P351 + P338

WARNING.

Mercury (Hg)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13692.0100	100 ml	PE
CL01.13692.0500	500 ml	PE/H

Matrix modifiers, Ionisation Suppressors & Buffer Solutions for AA

Ammonium dihydrogen phosphate 4% solution 40 g (NH4)H2PO4 / l H2O (33 µg PO4/µl)	100 ml	CL02.0104.0100
Ammonium fluoride 5% solution	100 ml	CL02.0103.0100
50 g NH4F / l H2O	500 ml	CL02.0103.0500
Ascorbic acid (L(+)), 10% solution 10 g C6H8O6 (add H2O up to 100 ml before use)	100 ml	CL02.0108.0100
Cesium chloride 5% Cs(1+) solution	100 ml	CL02.0305.0100
63.34 g CsCl / l H2O	500 ml	CL02.0305.0500
Cesium chloride-Aluminium nitrate buffer 50 g CsCl + 250 g Al(NO3)3.9H2O / l H2O	1 l	CL02.0306.1000
Cesium chloride-Lanthanum chloride buffer	1 l	CL02.0307.1000
10 g CsCl + 267 g LaCl3.7H2O / l H2O	5 l	CL02.0307.5000
Cesium chloride-Lanthanum nitrate buffer	1 l	CL02.0321.1000
10 g CsCl + 312 g La(NO3)3.6H2O / l HNO3 1 mol/l	5 l	CL02.0321.5000
Lanthanum(III) chloride 10% La(3+) solution	100 ml	CL02.1202.0100
267 g LaCl3.7H2O / l 2% HCl	500 ml	CL02.1202.0500
Lanthanum(III) chloride 1% solution in 0.3 mol HCl 10 g LaCl3 / l 0.3 mol HCl	1 l	CL02.1213.1000
Lanthanum(III) nitrate 5% La(3+) solution	100 ml	CL02.1203.0100
156 g La(NO3)3.6H2O / l 2% HNO3	500 ml	CL02.1203.0500
Lithium metaborate 5% solution 50 g LiBO2.2H2O / l H2O	500 ml	CL02.1205.0500
Lithium nitrate 5% Li(1+)/l solution	100 ml	CL02.1206.0100
500 g LiNO3 / l H2O	500 ml	CL02.1206.0500
Magnesium nitrate 2.11% solution	100 ml	CL02.1301.0100
21.1 g Mg(NO3)2.6H2O / l H2O (2 µg Mg/µl)	500 ml	CL02.1301.0500
Nickel(II) nitrate 4% solution	100 ml	CL02.1419.0100
40 g Ni(NO3)2.6H2O / l H2O (8 µg Ni/µl)	500 ml	CL02.1419.0500
Palladium(II) nitrate 2.5% solution (1% Pd) 25 g Pd(NO3)2.2H2O / l 10% HNO3 (10 g Pd / l ± 0.2 g)	50 ml	CL02.1621.0050
Palladium(II) nitrate 0.65% solution	100 ml	CL02.1601.0100
6.5 g Pd(NO3)2.2H2O / l 1% HNO3 (3 µg Pd/µl)	500 ml	CL02.1601.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Matrix modifiers, Ionisation Suppressors & Buffer Solutions for AA

Potassium chloride 5% K(1+) solution	100 ml	CL02.1102.0100
96 g KCl / l H2O	500 ml	CL02.1102.0500
Potassium nitrate 5% K(1+) solution	100 ml	CL02.1108.0100
130 g KNO3 / l H2O	500 ml	CL02.1108.0500
Sodium borohydride 1% solution	100 ml	CL02.1403.0100
1 g NaBH4 (Stabilised)		
Sodium chloride 5% Na(1+) solution	100 ml	CL02.1405.0100
125 g NaCl / l H2O	500 ml	CL02.1405.0500
Sodium nitrate 5% Na(1+) solution	100 ml	CL02.1413.0100
185 g NaNO3 / l H2O	500 ml	CL02.1413.0500
Strontium nitrate 10% Sr(2+) solution	100 ml	CL02.1904.0100
242 g Sr(NO3)2 / l H2O	500 ml	CL02.1904.0500
Strontium nitrate 5% Sr(2+) solution	100 ml	CL02.1902.0100
121 g Sr(NO3)2 / l H2O	500 ml	CL02.1902.0500
Tin(II) chloride 10% solution	100 ml	CL02.2001.0100
100 g SnCl2.2H2O / l 10% HCl (Stabilised with Tin metal)	500 ml	CL02.2001.0500
Water (ultra pure)	5 l	CL02.2101.5000
	10 l	CL02.2101.9010
H2O - LF 1 µS - 0.4 µm, UV filtrated	25 l	CL02.2101.9025
	20 l	CL02.2101.9520

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

1 Inorganic Standards

1.3 Acids & Reagents For ICP & AA

Acids for ICP Trace Analysis

Acetic acid ≥99% (Pico-Pure Plus)

NEW CL00.2753

For laboratory use, ICP-MS trace analysis ≥99% CH3COOH

Mol.Weight 60.05 g/mol **UN** 2789
Density 1.05 g/ml **ADR** 8 (3),II
CasNr 64-19-7 **IATA** 8 (3),II
EINECS 200-580-7 **IMDG** 8 (3),II
HS Nr 29152100
HNrs H226-H314
PNrs P280-P301 + P330 + P331-P307 + P310-P305 + P351 + P338

DANGER.

Assay	≥99%
Aluminium (Al)	<50ppt
Antimony (Sb)	<50ppt
Arsenic (As)	<50ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<50ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
EDTA	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<50ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<10ppt
Magnesium (Mg)	<50ppt
Manganese (Mn)	<10ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<50ppt
Platinum (Pt)	<50ppt
Potassium (K)	<50ppt
Praseodymium (Pr)	<1ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<50ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<50ppt
Samarium (Sm)	<1ppt
Scandium (Sc)	<10ppt
Selenium (Se)	Information only
Silver (Ag)	<50ppt
Sodium (Na)	<100ppt
Strontium (Sr)	<10ppt
Tellurium (Te)	<1ppt
Terbium (Tb)	<1ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<1ppt
Tin (Sn)	<50ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<1ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<50ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.2753.0250	250 ml	FEP

Acetic acid ≥99% (Pico-Pure)

NEW CL00.2755

For laboratory use, ICP-MS trace analysis ≥99% CH3COOH

Mol.Weight 60.05 g/mol **UN** 2789
Density 1.05 g/ml **ADR** 8 (3),II
CasNr 64-19-7 **IATA** 8 (3),II
EINECS 200-580-7 **IMDG** 8 (3),II
HS Nr 29152100
HNrs H226-H314
PNrs P280-P301 + P330 + P331-P307 + P310-P305 + P351 + P338

DANGER.

Assay	≥99%
Aluminium (Al)	<1ppb
Antimony (Sb)	<0.5ppb
Arsenic (As)	<0.5ppb
Barium (Ba)	<0.5ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Cadmium (Cd)	<0.5ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<1ppb
Cobalt (Co)	<0.1ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0.1ppb
Gallium (Ga)	<0.1ppb
Germanium (Ge)	<0.5ppb
Hafnium (Hf)	<0.1ppb
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.1ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<0.5ppb
Manganese (Mn)	<0.5ppb
Mercury (Hg)	<1ppb
Molybdenum (Mo)	<0.5ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Platinum (Pt)	<0.5ppb
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhenium (Re)	<0.1ppb
Rhodium (Rh)	<0.5ppb
Rubidium (Rb)	<0.1ppb
Ruthenium (Ru)	<0.5ppb
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<1ppb
Silver (Ag)	<1ppb
Sodium (Na)	<1ppb
Strontium (Sr)	<0.5ppb
Tellurium (Te)	<0.5ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<0.5ppb
Titanium (Ti)	<0.5ppb
Tungsten (W)	<0.5ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.5ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<1ppb
Zirconium (Zr)	<0.1ppb
Sulfate	<0.5ppm
Reducing Subtances	: To pass test
Chloride	<1ppm
Colour	<10APHA
Phosphate	<1ppm

Art. Nr.	Pack	Pack Type
CL00.2755.0500	500 ml	FEP

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Acids for ICP Trace Analysis

Acetic acid 99-100% (ultra pure) — CL00.0164

For laboratory use, ACS, ISO, Ph. Eur. 99.8+% CH3COOH

Mol.Weight 60.05 g/mol **UN** 2789
Density 1.05 g/ml **ADR** 8 (3),II
CasNr 64-19-7 **IATA** 8 (3),II
EINECS 200-580-7 **IMDG** 8 (3),II
HS Nr 29152100
HNrs H226-H314
PNrs P280-P301 + P330 + P331-P307 + P310-P305 + P351 + P338

DANGER.

Assay	>99.8%
Chloride	<0.1ppm
Phosphate	<0.05ppm
Sulfate	<0.5ppm

Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.002ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.001ppm
Boron (B)	<0.001ppm
Barium (Ba)	<0.001ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.002ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.005ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.02ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.005ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.005ppm

Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.002ppm
Platinum (Pt)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.002ppm
Zirconium (Zr)	<0.001ppm
Insoluble Matter (Non Solubles)	<2ppm
Acetaldehyde	<2ppm
Reducing Substances	<50ppm

Art. Nr.	Pack	Pack Type
CL00.0164.0250	250 ml	GVB
CL00.0164.1000	1 l	GVB/H
CL00.0164.2500	2,5 l	GVB/H

Ammonia 20-22% solution (Pico-Pure Plus) — NEW CL00.2754

For laboratory use, ICP-MS trace analysis 20-22% NH3 / kg

Mol.Weight 17.03 g/mol **UN** 2672
Density 0.92 g/ml **ADR** 8,III
CasNr 1336-21-6 **IATA** 8,III
EINECS 215-647-6 **IMDG** 8,III
HS Nr 28142000
HNrs H314-H335-H400
PNrs P280-P273-P301 + P330 + P331-P305 + P351 + P338-P309 + P310

DANGER.

Assay	: 20-22%
Aluminium (Al)	<20ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<10ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt

Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<10ppt
Erbium (Er)	<10ppt
Europium (Eu)	<10ppt
Gadolinium (Gd)	<10ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<10ppt
Hafnium (Hf)	: Information only
Holmium (Ho)	<10ppt
Indium (In)	<10ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<10ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<10ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<200ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<10ppt
Nickel (Ni)	<10ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<10ppt
Praseodymium (Pr)	<10ppt
Rhenium (Re)	: Information only

Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	: Information only
Samarium (Sm)	<10ppt
Scandium (Sc)	<10ppt
Selenium (Se)	: Information only
Silver (Ag)	<10ppt
Sodium (Na)	<20ppt
Strontium (Sr)	<10ppt
Tellurium (Te)	<10ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<10ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<10ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<10ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<10ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.2754.0250	250 ml	HDPE

Acids for ICP Trace Analysis

Ammonia 20-22% solution (Pico-Pure)

NEW CL00.2756

For laboratory use, ICP-MS trace analysis 20-22% NH3 / kg

Mol.Weight 17.03 g/mol **UN** 2672
Density 0.92 g/ml **ADR** 8,III
CasNr 1336-21-6 **IATA** 8,III
EINECS 215-647-6 **IMDG** 8,III
HS Nr 28142000
HNrs H314-H335-H400
PNrs P280-P273-P301 + P330 + P331-P305 + P351 + P338-P309 + P310

DANGER.

Assay	: 20-22%
Aluminium (Al)	<1ppb
Antimony (Sb)	<0.5ppb
Arsenic (As)	<1ppb
Barium (Ba)	<0.1ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Cadmium (Cd)	<0.5ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<0.5ppb
Cobalt (Co)	<0.5ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0.1ppb
Gallium (Ga)	<0.1ppb
Germanium (Ge)	<0.1ppb
Gold (Au)	<0.5ppb
Hafnium (Hf)	: Information only
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.1ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<1ppb
Manganese (Mn)	<0.5ppb
Mercury (Hg)	<0.2ppb
Molybdenum (Mo)	<0.5ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Niobium (Nb)	<0.1ppb
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhenium (Re)	: Information only
Rhodium (Rh)	<0.5ppb
Rubidium (Rb)	<0.1ppb
Ruthenium (Ru)	: Information only
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<1ppb
Silver (Ag)	<0.5ppb
Sodium (Na)	<1ppb
Strontium (Sr)	<0.1ppb
Tellurium (Te)	<0.1ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<0.5ppb
Titanium (Ti)	<0.5ppb
Tungsten (W)	<0.1ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.5ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<0.5ppb
Zirconium (Zr)	<0.1ppb
Colour	<10APHA
Chloride	<0.5ppm
Phosphate	<0.01ppm
Sulfate	<1ppm

Art. Nr.	Pack	Pack Type
CL00.2756.0500	500 ml	HDPE

Boric acid (ultra pure)

CL00.0230

For laboratory use, AAS and ICP 99.8+% H3BO3

Mol.Weight 61.83 g/mol
Density 1.44 g/cm3
CasNr 10043-35-3
EINECS 233-139-2
HS Nr 28100090
HNrs H360
PNrs P201-P308 + P313

DANGER.

Assay	>99.8%
Chloride	<3ppm
Phosphate	<0.5ppm
Silicate	<0.5ppm
Sulfate	<5ppm
Silver (Ag)	<0.01ppm
Aluminium (Al)	<0.05ppm
Arsenic (As)	<0.05ppm
Gold (Au)	<0.02ppm
Barium (Ba)	<0.05ppm
Beryllium (Be)	<0.01ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.01ppm
Cobalt (Co)	<0.01ppm
Copper (Cu)	<0.01ppm
Iron (Fe)	<0.05ppm
Gallium (Ga)	<0.05ppm
Indium (In)	<0.02ppm
Potassium (K)	<0.1ppm
Lithium (Li)	<0.01ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.01ppm
Molybdenum (Mo)	<0.01ppm
Sodium (Na)	<0.05ppm
Nickel (Ni)	<0.01ppm
Lead (Pb)	<0.02ppm
Strontium (Sr)	<0.01ppm
Thallium (Tl)	<0.02ppm
Vanadium (V)	<0.01ppm
Zinc (Zn)	<0.01ppm

Art. Nr.	Pack	Pack Type
CL00.0230.0050	50 g	PE
CL00.0230.0500	500 g	PE

Boric acid 4% solution (ultra pure)

CL02.0220

HF neutralisation solution for ICP 40 g H3BO3/ l H2O

Mol.Weight 61.83 g/mol
Density 1.00 g/ml
CasNr 10043-35-3
EINECS 233-139-2
HS Nr 28100090

Chloride	<0.2ppm
Phosphate	<25ppb
Silicate	<25ppb
Sulfate	<200ppb
Silver (Ag)	<0.5ppb
Aluminium (Al)	<2ppb
Arsenic (As)	<2ppb
Gold (Au)	<1ppb
Barium (Ba)	<2ppb
Beryllium (Be)	<0.5ppb
Calcium (Ca)	<2ppb
Cadmium (Cd)	<0.5ppb
Cobalt (Co)	<0.5ppb
Copper (Cu)	<0.5ppb
Iron (Fe)	<2ppb
Gallium (Ga)	<2ppb
Indium (In)	<1ppb
Potassium (K)	<4ppb
Lithium (Li)	<0.5ppb
Magnesium (Mg)	<4ppb
Manganese (Mn)	<0.5ppb
Molybdenum (Mo)	<0.5ppb
Sodium (Na)	<2ppb
Nickel (Ni)	<0.5ppb
Lead (Pb)	<1ppb
Strontium (Sr)	<0.5ppb
Thallium (Tl)	<1ppb
Vanadium (V)	<0.5ppb
Zinc (Zn)	<0.5ppb

Art. Nr.	Pack	Pack Type
CL02.0220.1000	1 l	PE/H
CL02.0220.5000	5 l	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Acids for ICP Trace Analysis

Formic acid 98-100% (ultra pure) — CL00.1360

For laboratory use, ACS, Ph. Eur. 98+% HCOOH

Mol.Weight 46.03 g/mol
Density 1.22 g/ml
CasNr 64-18-6
EINECS 200-579-1
HS Nr 29151100
HNrs H226-H302-H314-H331
PNrs P210-P234-P260-P280-P301 + P330 + P331-P303 + P361 + P353-P305 + P351 + P338-P309 + P310
UN 1779
ADR 8 (3),II
IATA 8 (3),II
IMDG 8 (3),II

DANGER.

Assay	>98%
Chloride	<5ppm
Sulfate	<0.5ppm
Acetic Acid	<500pmm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.002ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.002ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.001ppm
Chromium (Cr)	<0.001ppm
Cobalt (Co)	<0.001ppm
Copper (Cu)	<0.002ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.02ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.01ppm

Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Non Volatiles	<2ppm

Art. Nr.	Pack	Pack Type
CL00.1360.0250	250 ml	GVB
CL00.1360.1000	1 l	GVB/OD
CL00.1360.2500	2,5 l	GVB/OD

Hydrobromic acid 44-49% (Pico-Pure Plus) — NEW CL00.0273

For laboratory use, ICP-MS trace analysis 44-49+% HBr

Mol.Weight 80.91 g/mol
Density 1.49 g/ml
CasNr 10035-10-6
EINECS 233-113-0
HS Nr 28111910
HNrs H314-H335
PNrs P261-P280-P305 + P351 + P338-P310
UN 1788
ADR 8,II
IATA 8,II
IMDG 8,II

DANGER.

Assay	: 44-49%
Aluminium (Al)	<100ppt
Antimony (Sb)	: Information only
Barium (Ba)	<100ppt
Beryllium (Be)	<100ppt
Bismuth (Bi)	<100ppt
Boron (B)	: Information only
Cadmium (Cd)	<100ppt
Calcium (Ca)	<100ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<100ppt

Cobalt (Co)	<100ppt
Copper (Cu)	<100ppt
Dysprosium (Dy)	<10ppt
Erbium (Er)	<10ppt
Europium (Eu)	<10ppt
Gadolinium (Gd)	<10ppt
Gallium (Ga)	<100ppt
Gold (Au)	<100ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<10ppt
Indium (In)	<10ppt
Iron (Fe)	<100ppt
Lanthanum (La)	<10ppt
Lead (Pb)	<1ppt
Lithium (Li)	<100ppt
Lutetium (Lu)	<10ppt
Magnesium (Mg)	<100ppt
Manganese (Mn)	<100ppt
Molybdenum (Mo)	<100ppt
Neodymium (Nd)	<10ppt
Nickel (Ni)	<100ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<100ppt
Platinum (Pt)	<100ppt
Potassium (K)	<100ppt
Praseodymium (Pr)	<10ppt
Rhenium (Re)	<100ppt
Rhodium (Rh)	<100ppt
Rubidium (Rb)	<100ppt
Ruthenium (Ru)	<100ppt

Samarium (Sm)	<10ppt
Scandium (Sc)	<100ppt
Silver (Ag)	<100ppt
Sodium (Na)	<100ppt
Strontium (Sr)	<100ppt
Tantalum (Ta)	: Information only
Tellurium (Te)	<10ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<100ppt
Titanium (Ti)	<100ppt
Tungsten (W)	<100ppt
Uranium (U)	<1ppt
Vanadium (V)	<100ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<10ppt
Zinc (Zn)	<100ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.0273.0250	250 ml	FEB

Hydrobromic acid 48% (ultra pure) — CL00.0231

For laboratory use, AAS and ICP 48+% HBr

Mol.Weight 80.91 g/mol
Density 1.49 g/ml
CasNr 10035-10-6
EINECS 233-113-0
HS Nr 28111910
HNrs H314-H335
PNrs P261-P280-P305 + P351 + P338-P310
UN 1788
ADR 8,II
IATA 8,II
IMDG 8,II

DANGER.

Assay	>48%
Chloride	<200ppm
Iodide (I)	<10ppm
Phosphate	<0.05ppm
Sulfate	<5ppm
Residue after Ignition	<2ppm%
Silver (Ag)	<0.002ppm
Aluminium (Al)	<0.01ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.001ppm

Potassium (K)	<0.02ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.05ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.002ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.0231.0250	250 ml	GVB
CL00.0231.1000	1 l	GVB/H

Acids for ICP Trace Analysis

Hydrochloric acid 32-35% (Pico-Pure Plus)

NEW CL00.2950

For laboratory use, ICP-MS trace analysis 32-35% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.17 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	: 32-35%
Aluminium (Al)	<20ppt
Antimony (Sb)	<20ppt
Arsenic (As)	<50ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<100ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Gold (Au)	<50ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<10ppt
Iridium (Ir)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<50ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<20ppt
Niobium (Nb)	<1ppt
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<10ppt
Praseodymium (Pr)	<1ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<10ppt
Samarium (Sm)	<1ppt
Scandium (Sc)	<10ppt
Selenium (Se)	: Information only
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	: Information only
Tellurium (Te)	<1ppt
Terbium (Tb)	<1ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<1ppt
Tin (Sn)	<20ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<1ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.2950.0250	250 ml	PFA
CL00.2950.0500	500 ml	PFA

Hydrochloric acid 34-37% (Pico-Pure)

NEW CL00.2951

For laboratory use, ICP-MS trace analysis 34-37% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.17 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	: 34-37%
Aluminium (Al)	<1ppb
Antimony (Sb)	<0.5ppb
Arsenic (As)	<0,5ppb
Barium (Ba)	<0.1ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Boron (B)	<1ppb
Cadmium (Cd)	<0.1ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<0.5ppb
Cobalt (Co)	<0.1ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0.1ppb
Gallium (Ga)	<0.1ppb
Gold (Au)	<0.5ppb
Hafnium (Hf)	<0.1ppb
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.1ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<0.5ppb
Manganese (Mn)	<0.1ppb
Mercury (Hg)	<0.1ppb
Molybdenum (Mo)	<0.1ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Niobium (Nb)	<0.1ppb
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhenium (Re)	<0.1ppb
Rhodium (Rh)	<0.1ppb
Rubidium (Rb)	<0.1ppb
Ruthenium (Ru)	<0.1ppb
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<1ppb
Silver (Ag)	<1ppb
Sodium (Na)	<1ppb
Strontium (Sr)	<0.1ppb
Tantalum (Ta)	: Information only
Tellurium (Te)	<0.1ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<0.5ppb
Titanium (Ti)	<0.5ppb
Tungsten (W)	<0.1ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.5ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<0.5ppb
Zirconium (Zr)	<0.1ppb
Colour	<10ppm
Bromide	<10ppm
Free Chlorine	<0.5ppm
Phosphorus (P)	<0.01ppm
Sulfur (S)	<0.3ppm

Art. Nr.	Pack	Pack Type
CL00.2951.0500	500 ml	FEP
CL00.2951.1000	1 l	FEP
CL00.2951.2500	2,5 l	FEP

D.:1.41 g/ml
M.W.:63.01 g/mol

For specifications see certificate

CAS Nr. 7697-37-2
Index Nr. 007-004-00-1
EINECS Nr. 231-714-2

UN 2031

FEP 500

CL00.1964.0500
500 ml
Batch Nr.: 26.4632501
Exp. Date: 01-2023
Storage: RT

Nitric acid 67-69% (Pico-Pure Plus)
Salpeterzuur 67-69% (Pico-Pure Plus)
Acide nitrique 67-69% (Pico-Pure Plus)
Salpetersäure 67-69% (Pico-Pure Plus)
Acido nítrico 67-69% (Pico-Pure Plus)
Acido nitrico 67-69% (Pico-Pure Plus)
67-69% HNO_3

For laboratory use, ICP-MS trace analysis

Chem-Lab NV
Industriezone "De Arend" 2
B-8210 Zedelgem
Made in Belgium
Tel. +32 (0)50 28 83 20
Fax. +32 (0)50 78 26 54
www.chem-lab.be

Danger.: May intensify fire; oxidiser. Causes severe skin burns and eye damage. May be corrosive to metals. Do not breathe dust, fume, gas, mist, vapours, spray. Wear protective gloves, protective clothing, eye protection, face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Gevaar.: Kan brand bevorderen; oxiderend. Veroorzaakt ernstige brandwonden en oogletsel. Kan bijtend zijn voor metalen. Stof, rook, gas, nevel, damp, spuitnevel niet inademen. Beschermende handschoenen, beschermende kleding, oogbescherming, gelaatsbescherming dragen. NA INSLIKKEN: de mond spoelen. GEEN braken opwekken. NA blootstelling of bij onwel voelen: Onmiddellijk een ANTIGIFCENTRUM of een arts raadplegen. BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.

Danger.: Peut aggraver un incendie; comburant. Provoque des brûlures de la peau et des lésions oculaires graves. Peut être corrosif pour les métaux. Ne pas respirer les poussières, fumées, gaz, brouillards, vapeurs, aérosols. Porter des gants de protection, des vêtements de protection, un équipement de protection des yeux, du visage. EN CAS D'INGESTION: rincer la bouche. NE PAS faire vomir. EN CAS d'exposition ou de malaise: Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

Gefahr.: Kann Brand verstärken; Oxidationsmittel. Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Kann gegenüber Metallen korrosiv sein. Staub, Rauch, Gas, Nebel, Dampf, Aerosol nicht einatmen. Schutzhandschuhe, Schutzkleidung, Augenschutz, Gesichtsschutz tragen. BEI VERSCHLUCKEN: Mund ausspülen. KEIN Erbrechen herbeiführen. BEI Exposition oder Unwohlsein: Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

Peligro.: Puede agravar un incendio; comburente. Provoca quemaduras graves en la piel y lesiones oculares graves. Puede ser corrosivo para los metales. No respirar el polvo, el humo, el gas, la niebla, los vapores, el aerosol. Llevar guantes, prendas, gafas, máscara de protección. EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito. EN CASO DE exposición o si se encuentra mal: Llamar inmediatamente a un CENTRO DE INFORMACIÓN TOXICOLÓGICA o a un médico. EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

Pericolo.: Può aggravare un incendio; comburente. Provoca gravi ustioni cutanee e gravi lesioni oculari. Può essere corrosivo per i metalli. Non respirare la polvere, i fumi, i gas, la nebbia, i vapori, gli aerosol. Indossare guanti, indumenti protettivi, Proteggere gli occhi, il viso. IN CASO DI INGESTIONE: sciacquare la bocca. NON provocare il vomito. IN CASO di esposizione o di malessere: Contattare immediatamente un CENTRO ANTIVELENI o un medico. IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

Acids for ICP Trace Analysis

Hydrochloric acid 37% a.r. (Low Mercury) — CL00.0380

For laboratory use, ISO, Hg max. 0.005 ppm, trace analyssis 37+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.19 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	>37%
Residue after Ignition	<5ppm
Ammonium	<2ppm
Silver (Ag)	<0.02ppm

Aluminium (Al)	<0.05ppm
Arsenic (As)	<0.01ppm
Gold (Au)	<0.02ppm
Boron (B)	<0.02ppm
Barium (Ba)	<0.1ppm
Beryllium (Be)	<0.01ppm
Bismuth (Bi)	<0.02ppm
Calcium (Ca)	<0.2ppm
Cadmium (Cd)	<0.01ppm
Cobalt (Co)	<0.01ppm
Chromium (Cr)	<0.01ppm
Copper (Cu)	<0.01ppm
Iron (Fe)	<0.2ppm
Gallium (Ga)	<0.02ppm
Germanium (Ge)	<0.05ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.02ppm
Potassium (K)	<0.1ppm
Lithium (Li)	<0.02ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.01ppm
Molybdenum (Mo)	<0.01ppm
Sodium (Na)	<0.5ppm

Nickel (Ni)	<0.01ppm
Lead (Pb)	<0.02ppm
Platinum (Pt)	<0.02ppm
Antimony (Sb)	<0.01ppm
Tin (Sn)	<0.02ppm
Strontium (Sr)	<0.02ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.02ppm
Vanadium (V)	<0.01ppm
Zinc (Zn)	<0.05ppm
Zirconium (Zr)	<0.01ppm
Bromide	<50ppm
Chloride	<0.5ppm
Phosphate	<0.5ppm
Sulfate	<1ppm
Sulfite	<1ppm

Art. Nr.	Pack	Pack Type
CL00.0380.2500	2,5 l	GVB

Hydrochloric acid 37% a.r. — CL00.0360

For laboratory use, ISO, Ph. Eur., trace analysis 37+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.19 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	>37%
Ammonium	<0.0001%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000002%
Beryllium (Be)	<0.000002%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00005%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Germanium (Ge)	<0.000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.000001%
Manganese (Mn)	<0.00001%
Molybdenum (Mo)	<0.000002%
Sodium (Na)	<0.00005%
Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000001%

Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Bromide	<0.005%
Chloride	<0.00005%
Phosphate	<0.00005%
Sulfate	<0.0001%
Sulfite	<0.0001%
Residue after Ignition	<0.0005%
Mercury (Hg)	<0.000001%
Colour	< 10 APHA
Sulfated Ash	<0.0005%
Residual Solvents (Ph Eur./ICH)	: Excluded by manuf. process

Art. Nr.	Pack	Pack Type
CL00.0360.1000	1 l	GVB
CL00.0360.2500	2,5 l	GVB

Hydrochloric acid 36% a.r., VLSI — CL00.0399

For laboratory use, ISO, Ph. Eur., trace analysis 36+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.19 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	>36%
Ammonium	<0.0001%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000002%
Beryllium (Be)	<0.000002%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00005%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Germanium (Ge)	<0.000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.000001%
Manganese (Mn)	<0.00001%
Molybdenum (Mo)	<0.000002%
Sodium (Na)	<0.00005%

Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000001%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Bromide	<0.005%
Chloride	<0.00005%
Phosphate	<0.00005%
Sulfate	<0.0001%
Sulfite	<0.0001%
Residue after Ignition	<0.0005%
Mercury (Hg)	<0.000001%

Art. Nr.	Pack	Pack Type
CL00.0399.2500	2,5 l	GVB

Acids for ICP Trace Analysis

Hydrochloric acid 32% a.r.

CL00.0365

For laboratory use, ISO, Ph. Eur., trace analysis 32+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.16 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338-P390

DANGER.

Assay	>32%
Residue after Ignition	<0.0005%
Ammonium	<0.0001%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000002%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00005%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Germanium (Ge)	<0.000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.00001%
Manganese (Mn)	<0.000001%
Molybdenum (Mo)	<0.000002%
Sodium (Na)	<0.00005%
Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000001%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Bromide	<0.005%
Free Chlorine	<0.00005%
Phosphate	<0.00005%
Sulfate	<0.0001%
Sulfite	<0.0001%

Art. Nr.	Pack	Pack Type
CL00.0365.1000	1 l	GVB
CL00.0365.2500	2,5 l	GVB

Hydrochloric acid 30% (ultra pure)

CL00.0361

For laboratory use, AAS and ICP 30+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.15 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	>30%
Bromide	<50ppm
Free Chlorine	<0.5ppm
Phosphate	<0.01ppm
Sulfate	<0.5ppm
Sulfite	<1ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.01ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.03ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Ammonium	<1ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.001ppm
Platinum (Pt)	<0.01ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.002ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.0361.0250	250 ml	GVB
CL00.0361.1000	1 l	GVB/H
CL00.0361.2500	2,5 l	GVB/H

Hydrochloric acid 20% (ultra pure)

CL00.0311

For laboratory use, AAS and ICP 20+% HCl

Mol.Weight 36.46 g/mol **UN** 1789
Density 1.10 g/ml **ADR** 8,II
CasNr 7647-01-0 **IATA** 8,II
EINECS 231-595-7 **IMDG** 8,II
HS Nr 28061000
HNrs H290-H314-H335
PNrs P280-P301 + P330 + P331-P308 + P310-P305 + P351 + P338

DANGER.

Assay	>20%
Bromide	<50ppm
Chloride	<0.5ppm
Phosphate	<0.01ppm
Sulfate	<0.5ppm
Sulfite	<1ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.01ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.03ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Ammonium	<1ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.001ppm
Platinum (Pt)	<0.01ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.002ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.0311.1000	1 l	GVB/H
CL00.0311.2500	2,5 l	GVB/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Hydrofluoric acid 47-51% (Pico-Pure Plus)

NEW CL00.0643

For laboratory use, ICP-MS trace analysis 47-51% HF

Mol.Weight 20.01 g/mol **UN** 1790
Density 1.13 g/ml **ADR** 8 (6.1),II
CasNr 7664-39-3 **IATA** 8 (6.1),II
EINECS 231-634-8 **IMDG** 8 (6.1),II
HS Nr 28111100
HNrs H330-H300-H310-H314
PNrs P280-P302 + P352-P301 + P330 + P331-P305 + P351 + P338-P304 + P340-P309 + P310

DANGER.

Assay	: 47-51%%
Aluminium (Al)	<20ppt
Antimony (Sb)	<20ppt
Arsenic (As)	<50ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<100ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<20ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<10ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<50ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<20ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<20ppt
Platinum (Pt)	<20ppt
Potassium (K)	<10ppt
Praseodymium (Pr)	<1ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<20ppt
Rubidium (Rb)	<20ppt
Ruthenium (Ru)	<20ppt
Samarium (Sm)	<1ppt
Scandium (Sc)	<10ppt
Selenium (Se)	: Information only
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	: Information only
Tellurium (Te)	<1ppt
Terbium (Tb)	<1ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<1ppt
Tin (Sn)	<20ppt
Titanium (Ti)	<20ppt
Tungsten (W)	<20ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<1ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.0643.0250	250 ml	PFA

Hydrofluoric acid 47-51% (Pico-Pure)

NEW CL00.0644

For laboratory use, ICP-MS trace analysis 47-51% HF

Mol.Weight 20.01 g/mol **UN** 1790
Density 1.13 g/ml **ADR** 8 (6.1),II
CasNr 7664-39-3 **IATA** 8 (6.1),II
EINECS 231-634-8 **IMDG** 8 (6.1),II
HS Nr 28111100
HNrs H330-H300-H310-H314
PNrs P280-P302 + P352-P301 + P330 + P331-P305 + P351 + P338-P304 + P340-P309 + P310

DANGER.

Assay	: 47-51%%
Aluminium (Al)	<1ppb
Antimony (Sb)	<0.2ppb
Arsenic (As)	<0.5ppb
Barium (Ba)	<0.1ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Boron (B)	<1ppb
Cadmium (Cd)	<0.1ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<1ppb
Cobalt (Co)	<0.1ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0.1ppb
Gallium (Ga)	<0.1ppb
Germanium (Ge)	<0.1ppb
Gold (Au)	<0.2ppb
Hafnium (Hf)	<0.1ppb
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.1ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<1ppb
Manganese (Mn)	<0.1ppb
Mercury (Hg)	<1ppb
Molybdenum (Mo)	<0.1ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Niobium (Nb)	<0.1ppb
Palladium (Pd)	<0.2ppb
Platinum (Pt)	<0.2ppb
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhenium (Re)	<0.1ppb
Rhodium (Rh)	<0.1ppb
Rubidium (Rb)	<0.1ppb
Ruthenium (Ru)	<0.1ppb
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<1ppb
Silver (Ag)	<0.5ppb
Sodium (Na)	<1ppb
Strontium (Sr)	<0.1ppb
Tantalum (Ta)	: Information only
Tellurium (Te)	<0.1ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<0.5ppb
Titanium (Ti)	<1ppb
Tungsten (W)	<0.5ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.1ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<1ppb
Zirconium (Zr)	<0.1ppb
Colour	<10APHA
Chloride	<4ppm
Silicon (Si)	<20ppb
Phosphorus (P)	<0.05ppm
Sulfur (S)	<0.1ppm

Art. Nr.	Pack	Pack Type
CL00.0644.0500	500 ml	PFA

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Acids for ICP Trace Analysis

Hydrofluoric acid 49+% a.r., VLSI

CL00.0625

For laboratory use, ISO, trace analysis 49+% HF

Mol.Weight 20.01 g/mol **UN** 1790
Density 1.16 g/ml **ADR** 8 (6.1),II
CasNr 7664-39-3 **IATA** 8 (6.1),II
EINECS 231-634-8 **IMDG** 8 (6.1),II
HS Nr 28111100
HNrs H330-H300-H310-H314
PNrs P280-P302 + P352-P301 + P330 + P331-P305 + P351 + P338-P304 + P340-P309 + P310

DANGER.

Assay	>49%
Chloride	<0.0001%
Hexafluorosilicate	<0.005%
Phosphate	<0.00005%
Sulfate	<0.0002%
Sulfite	<0.0002%
Silver (Ag)	<0.000002%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.00001%
Beryllium (Be)	<0.000002%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00005%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000002%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Germanium (Ge)	<0.000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000002%
Magnesium (Mg)	<0.00002%

Manganese (Mn)	<0.000005%
Molybdenum (Mo)	<0.000005%
Sodium (Na)	<0.00002%
Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000005%
Strontium (Sr)	<0.000002%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000005%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Sulfated Ash	<0.0005%
Colour	< 10 APHA

Art. Nr.	Pack	Pack Type
CL00.0625.1000	1 l	PE/H
CL00.0625.2500	2,5 l	PE/H

Hydrofluoric acid 40% (ultra pure)

CL00.0617

For laboratory use, AAS and ICP 40+% HF

Mol.Weight 20.01 g/mol **UN** 1790
Density 1.13 g/ml **ADR** 8 (6.1),II
CasNr 7664-39-3 **IATA** 8 (6.1),II
EINECS 231-634-8 **IMDG** 8 (6.1),II
HS Nr 28111100
HNrs H330-H300-H310-H314
PNrs P280-P302 + P352-P301 + P330 + P331-P305 + P351 + P338-P304 + P340-P309 + P310

DANGER.

Assay	>40%
Chloride	<0.5ppm
Hexafluorosilicate	<20ppm
Phosphate	<0.1ppm
Sulfate	<0.5ppm
Sulfite	<2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.02ppm
Gold (Au)	<0.002ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.02ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm

Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Residue after Ignition	<2ppm

Art. Nr.	Pack	Pack Type
CL00.0617.0250	250 ml	PE
CL00.0617.1000	1 l	PE/H
CL00.0617.2500	2,5 l	PE/H

Hydrogen peroxide 30-32 % solution (Pico-Pure Plus)

NEW **CL00.2315**

For laboratory use, ICP-MS trace analysis 30-32% H2O2

Mol.Weight 34.01 g/mol **UN** 2014
Density 1.11 g/ml **ADR** 5.1 (8),II
CasNr 7722-84-1 **IATA** 5.1 (8),II
EINECS 231-765-0 **IMDG** 5.1 (8),II
HS Nr 28470000
HNrs H271-H302-H314-H318-H335-H412
PNrs P210-P310-P301 + P330 + P331-P305 + P351 + P338-P303 + P361 + P353-P280

DANGER.

Assay	=30-32%
Aluminium (Al)	<50ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<100ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<100ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<100ppt
Cerium (Ce)	<1ppt
Caesium (Cs)	<1ppt

Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<10ppt
Hafnium (Hf)	<1ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<20ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<20ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<50ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<20ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<10ppt
Potassium (K)	<20ppt
Praseodymium (Pr)	<1ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt

Ruthenium (Ru)	<10ppt
Samarium (Sm)	<1ppt
Scandium (Sc)	<10ppt
Selenium (Se)	<100ppt
Silver (Ag)	<10ppt
Sodium (Na)	<50ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	<10ppt
Tellurium (Te)	<1ppt
Terbium (Tb)	<1ppt
Thallium (Tl)	<1ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<1ppt
Tin (Sn)	<50ppt
Titanium (Ti)	<20ppt
Tungsten (W)	<20ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<1ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<50ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.2315.0500	500 ml	FL/FEP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Acids for ICP Trace Analysis

Nitric acid 67-69% (Pico-Pure Plus)

NEW CL00.1964

For laboratory use, ICP-MS trace analysis 67-69% HNO3

Mol.Weight 63.01 g/mol **UN** 2031
Density 1.41 g/ml **ADR** 8 (5.1),II
CasNr 7697-37-2 **IATA** 8 (5.1),II
EINECS 231-714-2 **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 67-69%
Aluminium (Al)	<20ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<20ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<10ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<20ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<50ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<20ppt
Niobium (Nb)	<1ppt
Palladium (Pd)	<20ppt
Platinum (Pt)	<20ppt
Potassium (K)	<10ppt
Praseodymium (Pr)	<1ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<20ppt
Samarium (Sm)	<1ppt
Scandium (Sc)	<10ppt
Selenium (Se)	: Information only
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	: Information only
Tellurium (Te)	<1ppt
Terbium (Tb)	<1ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<1ppt
Tin (Sn)	<20ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<1ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.1964.0250	250 ml	FEP
CL00.1964.0500	500 ml	FEP
CL00.1964.1000	1 l	FEP

Nitric acid 67-69% (Pico-Pure)

NEW CL00.1965

For laboratory use, ICP-MS trace analysis 67-69% HNO3

Mol.Weight 63.01 g/mol **UN** 2031
Density 1.41 g/ml **ADR** 8 (5.1),II
CasNr 7697-37-2 **IATA** 8 (5.1),II
EINECS 231-714-2 **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 67-69%
Aluminium (Al)	<1ppb
Antimony (Sb)	<0.5ppb
Arsenic (As)	<0.5ppb
Barium (Ba)	<0.1ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Boron (B)	<1ppb
Cadmium (Cd)	<0.5ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<1ppb
Cobalt (Co)	<0.5ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0,1ppb
Gallium (Ga)	<0.1ppb
Germanium (Ge)	<0.1ppb
Gold (Au)	<0.1ppb
Hafnium (Hf)	<0.1ppb
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.1ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<1ppb
Manganese (Mn)	<0.1ppb
Mercury (Hg)	<0.1ppb
Molybdenum (Mo)	<0.1ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Niobium (Nb)	<0.1ppb
Palladium (Pd)	<0.5ppb
Platinum (Pt)	<0.5ppb
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhenium (Re)	<0.1ppb
Rhodium (Rh)	<0.5ppb
Rubidium (Rb)	<0.1ppb
Ruthenium (Ru)	<0.5ppb
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<1ppb
Silver (Ag)	<0,1ppb
Sodium (Na)	<1ppb
Strontium (Sr)	<0.1ppb
Tantalum (Ta)	: Information only
Tellurium (Te)	<0.1ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<0.5ppb
Titanium (Ti)	<0.5ppb
Tungsten (W)	<0.1ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.5ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<0.5ppb
Zirconium (Zr)	<0.1ppb
Chloride	<0.2ppm
Phosphorus (P)	<0.01ppm
Sulfur (S)	<0.3ppm

Art. Nr.	Pack	Pack Type
CL00.1965.0500	500 ml	FEP
CL00.1965.1000	1 l	FEP
CL00.1965.2500	2,5 l	FEP

Acids for ICP Trace Analysis

Nitric acid 70% (ultra pure) — CL00.1934

For laboratory use, AAS and ICP — 69+% HNO3 - (Appearance of a yellowish tinge in the container has no impact on product quality).

Mol.Weight 63.01 g/mol — **UN** 2031
Density 1.41 g/ml — **ADR** 8 (5.1),II
CasNr 7697-37-2 — **IATA** 8 (5.1),II
EINECS 231-714-2 — **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	>69%
Chloride	<0.04ppm
Phosphate	<0.1ppm
Sulfate	<0.4ppm

Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.030ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.004ppm
Barium (Ba)	<0.001ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.010ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.020ppm
Germanium (Ge)	<0.004ppm
Mercury (Hg)	<0.0005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.005ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.005ppm
Sodium (Na)	<0.200ppm
Nickel (Ni)	<0.001ppm

Lead (Pb)	<0.0005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.005ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Boron (B)	<0.004ppm
Selenium (Se)	<0.001ppm
Antimony (Sb)	<0.005ppm
Niobium (Nb)	<0.001ppm
Silicon (Si)	<0.020ppm
Tantalum (Ta)	<0.002ppm
Non Volatiles	<2ppm

Art. Nr.	Pack	Pack Type
CL00.1934.0500	500 ml	GVB/H
CL00.1934.1000	1 l	GVB/H

Nitric acid 65% (ultra pure) — CL00.1905

For laboratory use, AAS and ICP — 65+% HNO3 - (Appearance of a yellowish tinge in the container has no impact on product quality).

Mol.Weight 63.01 g/mol — **UN** 2031
Density 1.39 g/ml — **ADR** 8 (5.1),II
CasNr 7697-37-2 — **IATA** 8 (5.1),II
EINECS 231-714-2 — **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	>65%
Chloride	<0.05ppm
Phosphate	<0.01ppm
Sulfate	<0.2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.03ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.002ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.005ppm
Mercury (Hg)	<0.002ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm

Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.01ppm
Lead (Pb)	<0.001ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Boron (B)	<0,01ppm
Selenium (Se)	<0,001ppm
Antimony (Sb)	<0,001ppm
Uranium (U)	<0,02ppm

Art. Nr.	Pack	Pack Type
CL00.1905.0250	250 ml	GVB
CL00.1905.1000	1 l	GVB/H
CL00.1905.2500	2,5 l	GVB/H

Nitric acid 65% a.r. — CL00.1915

For laboratory use, ACS, ISO, Ph. Eur., trace analysis quality). — 65+% HNO3 - (Appearance of a yellowish tinge in the container has no impact on product

Mol.Weight 63.01 g/mol — **UN** 2031
Density 1.39 g/ml — **ADR** 8 (5.1),II
CasNr 7697-37-2 — **IATA** 8 (5.1),II
EINECS 231-714-2 — **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	>65%
Residue after Ignition	<0.00025%
Silver (Ag)	<0.000001%
Arsenic (As)	<0.000001%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.000001%
Beryllium (Be)	<0.000001%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00001%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000001%
Iron (Fe)	<0.00001%
Germanium (Ge)	<0.000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.00001%
Manganese (Mn)	<0.000001%
Molybdenum (Mo)	<0.000002%
Sodium (Na)	<0.00005%

Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000001%
Strontium (Sr)	<0.000001%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Chloride	<0.00005%
Phosphate	<0.0002%
Sulfate	<0.0002%
Sulfated Ash	<0.001%

Art. Nr.	Pack	Pack Type
CL00.1915.1000	1 l	GVB
CL00.1915.2500	2,5 l	GVB
CL00.1915.5000	5 l	PEB

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Acids for ICP Trace Analysis

Nitric acid 7 mol/l (ultra pure) — CL05.1909

For laboratory use, AAS and ICP, Cold Vapour Hg det. 441.07 g HNO3 / l H2O = ± 7 N

Mol.Weight 63.01 g/mol
Density 1.22 g/ml
CasNr 7697-37-2
EINECS 231-714-2
HS Nr 28080000
HNrs H314-H290
PNrs P280-P301 + P330 + P331-P305 + P351 + P338-P309 + P310
UN 2031
ADR 8,II
IATA 8,II
IMDG 8,II

DANGER.

Cl-0.04ppm	
Phosphate	<0.1ppm
Sulfate	<0.4ppm
Silver (Ag)	<0.001ppm

Aluminium (Al)	<0.030ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.004ppm
Barium (Ba)	<0.001ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.010ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.020ppm
Germanium (Ge)	<0.004ppm
Mercury (Hg)	<0.0005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.005ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.005ppm
Sodium (Na)	<0.200ppm
Nickel (Ni)	<0.001ppm

Lead (Pb)	<0.0005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.005ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Boron (B)	<0.004ppm
Selenium (Se)	<0.001ppm
Antimony (Sb)	<0.005ppm
Niobium (Nb)	<0.001ppm
Silicon (Si)	<0.020ppm
Tantalum (Ta)	<0.002ppm
Non Volatiles	<2ppm

Art. Nr.	Pack	Pack Type
CL05.1909.1000	1 l	PEB
CL05.1909.9010	10 l	PEB

Perchloric acid 70% (ultra pure) — CL00.1629

For laboratory use, AAS and ICP 70+% HClO4

Mol.Weight 100.46 g/mol
Density 1.68 g/ml
CasNr 7601-90-3
EINECS 231-512-4
HS Nr 28111980
HNrs H271-H314
PNrs P210-P220-P280-P301 + P330 + P331-P305 + P351 + P338-P309 + P310
UN 1873
ADR 5.1 (8),I
IATA 5.1 (8),I
IMDG 5.1 (8),I

DANGER.

Assay	>70%
Phosphate	<0.1ppm
Sulfate	<5ppm
Nitrogen (N)	<10ppm
Silver (Ag)	<0.002ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.01ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.03ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Copper (Cu)	<0.001ppm
Chromium (Cr)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.02ppm

Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.05ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.1629.0250	250 ml	GVB
CL00.1629.1000	1 l	GVB

Phosphoric acid 85% (ultra pure) — CL00.0615

For laboratory use, AAS and ICP 85+% H3PO4

Mol.Weight 98.00 g/mol
Density 1.71 g/ml
CasNr 7664-38-2
EINECS 231-633-2
HS Nr 28092000
HNrs H314-H290
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338
UN 1805
ADR 8,III
IATA 8,III
IMDG 8,III

DANGER.

Assay	>85%
Chloride	<0.5ppm
Fluoride	<0.5ppm
Nitrate	<0.5ppm
Sulfate	<10ppm
Aluminium (Al)	<0.1ppm
Arsenic (As)	<0.05ppm
Barium (Ba)	<0.1ppm
Calcium (Ca)	<0.2ppm
Cadmium (Cd)	<0.05ppm
Cobalt (Co)	<0.05ppm
Chromium (Cr)	<0.05ppm
Copper (Cu)	<0.05ppm
Iron (Fe)	<0.2ppm
Mercury (Hg)	<0.005ppm
Potassium (K)	<0.1ppm
Lithium (Li)	<0.1ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.05ppm

Sodium (Na)	<0.1ppm
Nickel (Ni)	<0.05ppm
Lead (Pb)	<0.05ppm
Strontium (Sr)	<0.1ppm
Thallium (Tl)	<0.05ppm
Zinc (Zn)	<0.05ppm

Art. Nr.	Pack	Pack Type
CL00.0615.0250	250 ml	PE
CL00.0615.1000	1 l	PE/H

Acids for ICP Trace Analysis

Sulfuric acid 93-98% (Pico-Pure Plus)

NEW CL00.2649

For laboratory use, ICP-MS trace analysis 93-98+% H2SO4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 93-98%
Aluminium (Al)	<50ppt
Antimony (Sb)	<50ppt
Arsenic (As)	<500ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<50ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<10ppt
Erbium (Er)	<10ppt
Europium (Eu)	<10ppt
Gadolinium (Gd)	<10ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<100ppt
Hafnium (Hf)	<10ppt
Holmium (Ho)	<10ppt
Indium (In)	<10ppt
Iron (Fe)	<50ppt
Lanthanum (La)	<10ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Iodide (I)	<10ppt
Magnesium (Mg)	<50ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<100ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<10ppt
Nickel (Ni)	<50ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<50ppt
Praseodymium (Pr)	<10ppt
Rhodium (Rh)	<50ppt
Rubidium (Rb)	<10ppt
Samarium (Sm)	<10ppt
Scandium (Sc)	<10ppt
Selenium (Se)	<500ppt
Silver (Ag)	<50ppt
Sodium (Na)	<50ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	: Information only
Tellurium (Te)	<50ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<10ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<50ppt
Titanium (Ti)	<50ppt
Tungsten (W)	<10ppt
Uranium (U)	<10ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<10ppt
Zinc (Zn)	<50ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL00.2649.0250	250 ml	FEP
CL00.2649.0500	500 ml	FEP

Sulfuric acid 93-98% (Pico-Pure)

NEW CL00.2650

For laboratory use, ICP-MS trace analysis 93-98+% H2SO4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 93-98%
Aluminium (Al)	<1ppb
Antimony (Sb)	<1ppb
Arsenic (As)	<0.5ppb
Barium (Ba)	<0.1ppb
Beryllium (Be)	<0.1ppb
Bismuth (Bi)	<0.1ppb
Cadmium (Cd)	<0.5ppb
Calcium (Ca)	<1ppb
Cerium (Ce)	<0.1ppb
Caesium (Cs)	<0.1ppb
Chromium (Cr)	<0.5ppb
Cobalt (Co)	<0.5ppb
Copper (Cu)	<0.5ppb
Dysprosium (Dy)	<0.1ppb
Erbium (Er)	<0.1ppb
Europium (Eu)	<0.1ppb
Gadolinium (Gd)	<0.1ppb
Gallium (Ga)	<0.1ppb
Germanium (Ge)	<1ppb
Gold (Au)	<0.5ppb
Hafnium (Hf)	<0.1ppb
Holmium (Ho)	<0.1ppb
Indium (In)	<0.1ppb
Iron (Fe)	<1ppb
Lanthanum (La)	<0.1ppb
Lead (Pb)	<0.1ppb
Lithium (Li)	<0.5ppb
Lutetium (Lu)	<0.1ppb
Magnesium (Mg)	<1ppb
Manganese (Mn)	<0.5ppb
Mercury (Hg)	<0.1ppb
Molybdenum (Mo)	<0.5ppb
Neodymium (Nd)	<0.1ppb
Nickel (Ni)	<0.5ppb
Niobium (Nb)	<0.1ppb
Palladium (Pd)	: Information only
Platinum (Pt)	: Information only
Potassium (K)	<1ppb
Praseodymium (Pr)	<0.1ppb
Rhodium (Rh)	<0.5ppb
Rubidium (Rb)	<0.5ppb
Samarium (Sm)	<0.1ppb
Scandium (Sc)	<0.1ppb
Selenium (Se)	<10ppb
Silver (Ag)	<1ppb
Strontium (Sr)	<0.5ppb
Tantalum (Ta)	: Information only
Tellurium (Te)	<0.1ppb
Terbium (Tb)	<0.1ppb
Thallium (Tl)	<0.1ppb
Thorium (Th)	<0.1ppb
Thulium (Tm)	<0.1ppb
Tin (Sn)	<1ppb
Titanium (Ti)	<1ppb
Tungsten (W)	<0.5ppb
Uranium (U)	<0.1ppb
Vanadium (V)	<0.5ppb
Ytterbium (Yb)	<0.1ppb
Yttrium (Y)	<0.1ppb
Zinc (Zn)	<1ppb
Zirconium (Zr)	<0.5ppb
Colour	<10APHA
Chloride	<0.7ppm
Nitrate	<0.2ppm
Phosphorus (P)	<0.05ppm
Reducing Subtances	<20ppm

Art. Nr.	Pack	Pack Type
CL00.2650.0500	500 ml	FEP
CL00.2650.1000	1 l	FEP

Acids for ICP Trace Analysis

Sulfuric acid 96% (ultra pure) — CL00.2613

For laboratory use, AAS and ICP 95+% H2SO4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	>95%
Chloride	<0.1ppm
Nitrate	<0.2ppm
Phosphate	<0.01ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.02ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.001ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm

Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Ammonium	<1ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.001ppm
Platinum (Pt)	<0.01ppm
Selenium (Se)	<0.001ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.2613.0250	250 ml	GVB
CL00.2613.1000	1 l	GVB/H

Sulfuric acid 95-97% a.r., VLSI — CL00.2605

*For laboratory use, ISO, Ph. Eur., trace analysis 95-97% H2SO4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 95-97%
Residue after Ignition	<0.0005%
Ammonium	<0.0002%
Silver (Ag)	<0.000002%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000005%
Beryllium (Be)	<0.000001%
Bismuth (Bi)	<0.000005%
Calcium (Ca)	<0.00002%
Cadmium (Cd)	<0.000002%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000005%
Copper (Cu)	<0.000001%
Iron (Fe)	<0.00001%
Germanium (Ge)	<0.000005%
Mercury (Hg)	<0.0000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.000005%
Manganese (Mn)	<0.000001%

Sodium (Na)	<0.00005%
Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000002%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Chloride	<0.00001%
Nitrate	<0.00002%
Phosphate	<0.00005%
Reducing Subtances	<0.0002%

Art. Nr.	Pack	Pack Type
CL00.2605.2500	2,5 l	GVB
CL00.2605.5000	5 l	PEB

Sulfuric acid 95-97% a.r. — CL00.2632

For laboratory use, ISO, Ph. Eur., trace analysis 95-97% H2SO4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 95-97%
Residue after Ignition	<0.0005% @ 650°C
Ammonium	<0.0001%
Silver (Ag)	<0.000002%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000005%
Beryllium (Be)	<0.000001%
Bismuth (Bi)	<0.000005%
Calcium (Ca)	<0.00002%
Cadmium (Cd)	<0.000002%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000005%
Copper (Cu)	<0.000001%
Iron (Fe)	<0.00001%
Germanium (Ge)	<0.000005%
Mercury (Hg)	<0.0000005%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.000005%
Manganese (Mn)	<0.000001%
Sodium (Na)	<0.00005%

Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000002%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Chloride	<0.00001%
Nitrate	<0.00002%
Phosphate	<0.00005%
Reducing Subtances	<0.0002%
Nitrogen (N)	<0.0001%
Colour	< 10 APHA

Art. Nr.	Pack	Pack Type
CL00.2632.1000	1 l	GVB
CL00.2632.2500	2,5 l	GVB

Acids for ICP Trace Analysis

Sulfuric acid 95-97% a.r. (Low Mercury)

NEW CL00.2644

For laboratory use, ACS, ISO, Ph. Eur., Hg max. 0.001 ppm, trace analysis 95-97% H_2SO_4

Mol.Weight 98.08 g/mol **UN** 1830
Density 1.84 g/ml **ADR** 8,II
CasNr 7664-93-9 **IATA** 8,II
EINECS 231-639-5 **IMDG** 8,II
HS Nr 28070000
HNrs H290-H314
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	: 95-97%
Residue after Ignition	<0.0005% @ 650°C
Ammonium	<0.0002%
Silver (Ag)	<0.000002%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000005%
Beryllium (Be)	<0.000001%
Bismuth (Bi)	<0.000005%
Calcium (Ca)	<0.00002%
Cadmium (Cd)	<0.000002%
Cobalt (Co)	<0.000001%
Chromium (Cr)	<0.000005%
Copper (Cu)	<0.000001%
Iron (Fe)	<0.00001%
Germanium (Ge)	<0.000005%
Mercury (Hg)	<0.0000001%
Potassium (K)	<0.00001%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.000005%
Manganese (Mn)	<0.000001%

Sodium (Na)	<0.00005%
Nickel (Ni)	<0.000002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000002%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Chloride	<0.00001%
Nitrate	<0.00002%
Phosphate	<0.00005%
Reducing Substances	<0.0002%
Nitrogen (N)	<0.0001%
Colour	< 10 APHA

Art. Nr.	Pack	Pack Type
CL00.2644.2500	2,5 l	GVB/H

Tetra fluoroboric acid 38% solution (ultra pure)

CL00.2009

For laboratory use, AAS and ICP 380 g HBF_4 / kg sol.

Mol.Weight 87.81 g/mol **UN** 1775
Density 1.25 g/ml **ADR** 8,II
CasNr 16872-11-0 **IATA** 8,II
EINECS 240-898-3 **IMDG** 8,II
HS Nr 28111980
HNrs H314
PNrs P280-P305 + P351 + P338-P310

DANGER.

Chloride	<0.5ppm
Hexafluorosilicate	<20ppm
Phosphate	<0.1ppm
Sulfate	<0.5ppm
Sulfite	<2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.02ppm
Gold (Au)	<0.002ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.02ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm

Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Residue after Ignition	<2ppm

Art. Nr.	Pack	Pack Type
CL00.2009.0250	250 ml	PE
CL00.2009.1000	1 l	PE/H

Tetra fluoroboric acid solution (ultra pure)

CL02.2025

TMR - For laboratory use, AAS and ICP 192 g H_3BO_3 + 450 ml HF 40%

Mol.Weight 87.81 g/mol **UN** 1775
Density 1.23 g/ml **ADR** 8,II
CasNr 16872-11-0 **IATA** 8,II
EINECS 240-898-3 **IMDG** 8,II
HS Nr 28111980
HNrs H314
PNrs P280-P305 + P351 + P338-P310

DANGER.

Chloride	<0.5ppm
Hexafluorosilicate	<20ppm
Phosphate	<0.1ppm
Sulfate	<0.5ppm
Sulfite	<2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.02ppm
Gold (Au)	<0.002ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.02ppm
Indium (In)	<0.002ppm

Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Residue after Ignition	<2ppm

Art. Nr.	Pack	Pack Type
CL02.2025.2500	2,5 l	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Water, High Purity ICP-MS grade (Pico-Pure Plus)

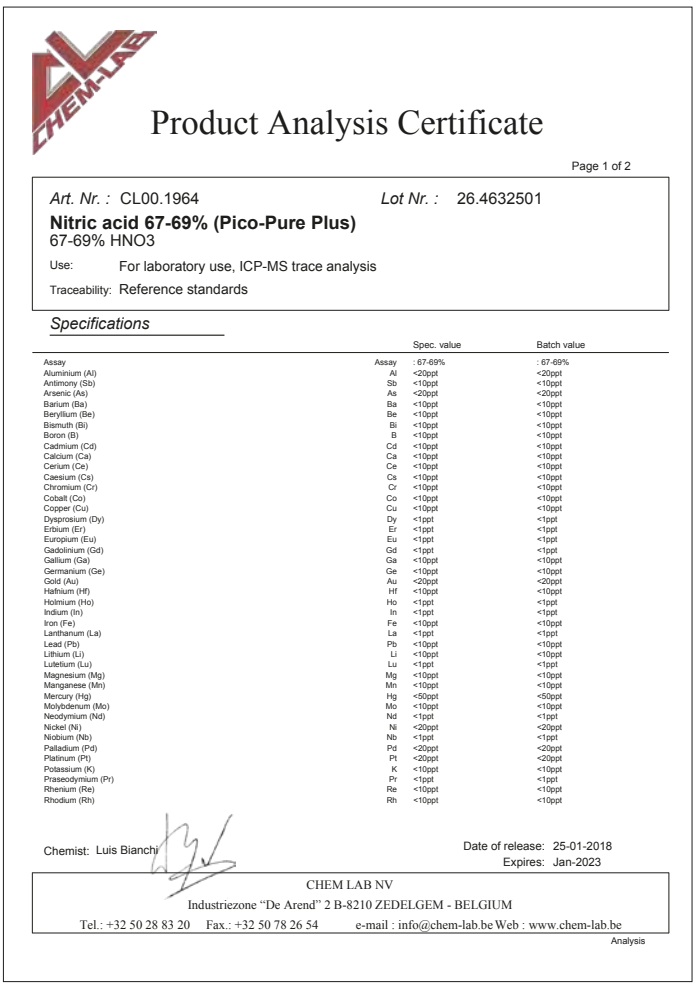
NEW CL02.2107

For laboratory use, ICP-MS trace analysis H2O - LF < 1 µS - 0.2 µm filtrated (ppt range HM traces)

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Colour	<10APHA
Chloride	<1ppt
Phosphate	<1ppt
Sulfite	<1ppt
Aluminium (Al)	<20ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<10ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<20ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<10ppt
Hafnium (Hf)	<1ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<20ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<10ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<10ppt
Platinum (Pt)	<10ppt
Potassium (K)	<10ppt
Praseodymium (Pr)	<10ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<10ppt
Samarium (Sm)	<10ppt
Scandium (Sc)	<10ppt
Selenium (Se)	<50ppt
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	<10ppt
Tellurium (Te)	<1ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<10ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL02.2107.1000	1 l	LDPE



Product Analysis Certificate

Page 1 of 2

Art. Nr. : CL00.1964 *Lot Nr. :* 26.4632501

Nitric acid 67-69% (Pico-Pure Plus)
67-69% HNO3

Use: For laboratory use, ICP-MS trace analysis

Traceability: Reference standards

Specifications

		Spec. value	Batch value
Assay	Assay	: 67-69%	: 67-69%
Aluminium (Al)	Al	<20ppt	<20ppt
Antimony (Sb)	Sb	<10ppt	<10ppt
Arsenic (As)	As	<20ppt	<20ppt
Barium (Ba)	Ba	<10ppt	<10ppt
Beryllium (Be)	Be	<10ppt	<10ppt
Bismuth (Bi)	Bi	<10ppt	<10ppt
Boron (B)	B	<10ppt	<10ppt
Cadmium (Cd)	Cd	<10ppt	<10ppt
Calcium (Ca)	Ca	<10ppt	<10ppt
Cerium (Ce)	Ce	<10ppt	<10ppt
Caesium (Cs)	Cs	<10ppt	<10ppt
Chromium (Cr)	Cr	<10ppt	<10ppt
Cobalt (Co)	Co	<10ppt	<10ppt
Copper (Cu)	Cu	<10ppt	<10ppt
Dysprosium (Dy)	Dy	<1ppt	<1ppt
Erbium (Er)	Er	<1ppt	<1ppt
Europium (Eu)	Eu	<1ppt	<1ppt
Gadolinium (Gd)	Gd	<1ppt	<1ppt
Gallium (Ga)	Ga	<10ppt	<10ppt
Germanium (Ge)	Ge	<10ppt	<10ppt
Gold (Au)	Au	<20ppt	<20ppt
Hafnium (Hf)	Hf	<10ppt	<10ppt
Holmium (Ho)	Ho	<1ppt	<1ppt
Indium (In)	In	<1ppt	<1ppt
Iron (Fe)	Fe	<10ppt	<10ppt
Lanthanum (La)	La	<1ppt	<1ppt
Lead (Pb)	Pb	<10ppt	<10ppt
Lithium (Li)	Li	<10ppt	<10ppt
Lutetium (Lu)	Lu	<1ppt	<1ppt
Magnesium (Mg)	Mg	<10ppt	<10ppt
Manganese (Mn)	Mn	<10ppt	<10ppt
Mercury (Hg)	Hg	<50ppt	<50ppt
Molybdenum (Mo)	Mo	<10ppt	<10ppt
Neodymium (Nd)	Nd	<1ppt	<1ppt
Nickel (Ni)	Ni	<20ppt	<20ppt
Niobium (Nb)	Nb	<1ppt	<1ppt
Palladium (Pd)	Pd	<20ppt	<20ppt
Platinum (Pt)	Pt	<20ppt	<20ppt
Potassium (K)	K	<10ppt	<10ppt
Praseodymium (Pr)	Pr	<1ppt	<1ppt
Rhenium (Re)	Re	<10ppt	<10ppt
Rhodium (Rh)	Rh	<10ppt	<10ppt

Chemist: Luis Bianchi

Date of release: 25-01-2018
Expires: Jan-2023

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Analysis

Product Analysis Certificate

Page 2 of 2

Art. Nr. : CL00.1964 *Lot Nr. :* 26.4632501

Nitric acid 67-69% (Pico-Pure Plus)
67-69% HNO3

Use: For laboratory use, ICP-MS trace analysis

Traceability: Reference standards

Specifications

		Spec. value	Batch value
Rubidium (Rb)	Rb	<10ppt	<10ppt
Ruthenium (Ru)	Ru	<20ppt	<20ppt
Samarium (Sm)	Sm	<1ppt	<1ppt
Scandium (Sc)	Sc	<10ppt	<10ppt
Selenium (Se)	Se	: Information only	: Information only
Silver (Ag)	Ag	<10ppt	<10ppt
Sodium (Na)	Na	<10ppt	<10ppt
Strontium (Sr)	Sr	<10ppt	<10ppt
Tantalum (Ta)	Ta	: Information only	: Information only
Tellurium (Te)	Te	<1ppt	<1ppt
Terbium (Tb)	Tb	<1ppt	<1ppt
Thallium (Tl)	Tl	<10ppt	<10ppt
Thorium (Th)	Th	<1ppt	<1ppt
Thulium (Tm)	Tm	<1ppt	<1ppt
Tin (Sn)	Sn	<20ppt	<20ppt
Titanium (Ti)	Ti	<10ppt	<10ppt
Tungsten (W)	W	<10ppt	<10ppt
Uranium (U)	U	<1ppt	<1ppt
Vanadium (V)	V	<10ppt	<10ppt
Ytterbium (Yb)	Yb	<1ppt	<1ppt
Yttrium (Y)	Y	<1ppt	<1ppt
Zinc (Zn)	Zn	<10ppt	<10ppt
Zirconium (Zr)	Zr	<10ppt	<10ppt

Chemist: Luis Bianchi

Date of release: 25-01-2018
Expires: Jan-2023

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Analysis

UltraPure Chemicals

Ammonia 25 weight % solution (ultra pure) — CL00.0161

For laboratory use, AAS and ICP ±250 g NH3 / kg

Mol.Weight 17.03 g/mol **UN** 2672
Density 0.91 g/ml **ADR** 8,III
CasNr 1336-21-6 **IATA** 8,III
EINECS 215-647-6 **IMDG** 8,III
HS Nr 28142000
HNrs H314-H335-H400
PNrs P280-P273-P301 + P330 + P331-P305 + P351 + P338-P309 + P310

DANGER.

Residue after Ignition	<2ppm
Carbonate	<10ppm
Chloride	<0.5ppm
Phosphate	<0.05ppm
Sulfate	<0.5ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.002ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.005ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.001ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm

Potassium (K)	<0.005ppm
Lithium (Li)	<0.002ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.001ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.001ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.0161.0250	250 ml	PE/OD
CL00.0161.1000	1 l	PE/OD

Benzene (ultra pure) — CL00.0239

Reference substance for gas chromatography 99.99+% C6H6

Mol.Weight 78.11 g/mol **UN** 1114
Density 0.88 g/ml **ADR** 3,II
CasNr 71-43-2 **IATA** 3,II
EINECS 200-753-7 **IMDG** 3,II
HS Nr 29022000
HNrs H225-H350-H340-H372-H304-H319-H315
PNrs P201-P210-P308 + P313-P301 + P310-P331-P305 + P351 + P338-P302 + P352

DANGER.

Assay	>99.99%

Art. Nr.	Pack	Pack Type
CL00.0239.0001	1 ml	AMP
CL00.0239.0005	5 ml	AMP

Boric acid (ultra pure) — CL00.0230

For laboratory use, AAS and ICP 99.8+% H3BO3

Mol.Weight 61.83 g/mol
Density 1.44 g/cm3
CasNr 10043-35-3
EINECS 233-139-2
HS Nr 28100090
HNrs H360
PNrs P201-P308 + P313

DANGER.

Assay	>99.8%
Chloride	<3ppm
Phosphate	<0.5ppm
Silicate	<0.5ppm
Sulfate	<5ppm
Silver (Ag)	<0.01ppm
Aluminium (Al)	<0.05ppm
Arsenic (As)	<0.05ppm
Gold (Au)	<0.02ppm
Barium (Ba)	<0.05ppm
Beryllium (Be)	<0.01ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.01ppm
Cobalt (Co)	<0.01ppm
Copper (Cu)	<0.01ppm
Iron (Fe)	<0.05ppm
Gallium (Ga)	<0.05ppm
Indium (In)	<0.02ppm

Potassium (K)	<0.1ppm
Lithium (Li)	<0.01ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.01ppm
Molybdenum (Mo)	<0.01ppm
Sodium (Na)	<0.05ppm
Nickel (Ni)	<0.01ppm
Lead (Pb)	<0.02ppm
Strontium (Sr)	<0.01ppm
Thallium (Tl)	<0.02ppm
Vanadium (V)	<0.01ppm
Zinc (Zn)	<0.01ppm

Art. Nr.	Pack	Pack Type
CL00.0230.0050	50 g	PE
CL00.0230.0500	500 g	PE

Boric acid 4% solution (ultra pure) CL02.0220

HF neutralisation solution for ICP 40 g H3BO3/ l H2O

Mol.Weight 61.83 g/mol
Density 1.00 g/ml
CasNr 10043-35-3
EINECS 233-139-2
HS Nr 28100090

Chloride	<0.2ppm
Phosphate	<25ppb
Silicate	<25ppb
Sulfate	<200ppb
Silver (Ag)	<0.5ppb
Aluminium (Al)	<2ppb
Arsenic (As)	<2ppb
Gold (Au)	<1ppb
Barium (Ba)	<2ppb
Beryllium (Be)	<0.5ppb
Calcium (Ca)	<2ppb
Cadmium (Cd)	<0.5ppb
Cobalt (Co)	<0.5ppb
Copper (Cu)	<0.5ppb
Iron (Fe)	<2ppb
Gallium (Ga)	<2ppb
Indium (In)	<1ppb
Potassium (K)	<4ppb

Lithium (Li)	<0.5ppb
Magnesium (Mg)	<4ppb
Manganese (Mn)	<0.5ppb
Molybdenum (Mo)	<0.5ppb
Sodium (Na)	<2ppb
Nickel (Ni)	<0.5ppb
Lead (Pb)	<1ppb
Strontium (Sr)	<0.5ppb
Thallium (Tl)	<1ppb
Vanadium (V)	<0.5ppb
Zinc (Zn)	<0.5ppb

Art. Nr.	Pack	Pack Type
CL02.0220.1000	1 l	PE/H
CL02.0220.5000	5 l	PE

Calcium carbonate, powder (ultra pure) CL00.0390

For laboratory use 99.95+% CaCO3

Mol.Weight 100.09 g/mol
Density 2.93 g/cm3
CasNr 471-34-1
EINECS 207-439-9
HS Nr 28365000

Assay	>99.95%
Insoluble Matter (Non Solubles)	<0.002%
Barium (Ba)	<0.005%
Copper (Cu)	<0.0005%
Iron (Fe)	<0.001%
Potassium (K)	<0.01%
Magnesium (Mg)	<0.01%
Sodium (Na)	<0.01%
Lead (Pb)	<0.0005%

Strontium (Sr)	<0.1%
Chloride	<0.001%
Sulfate	<0.005%
Nitrogen (N)	<0.001%
Silicon (Si)	<0.001%
Fluoride	<<0.002%

Art. Nr.	Pack	Pack Type
CL00.0390.0050	50 g	PE

Cesium chloride (ultra pure) CL00.0354

For laboratory use, AAS and ICP, Density gradient centrifugation 99.995+% CsCl

Mol.Weight 168.36 g/mol
Density 3.97 g/cm3
CasNr 7647-17-8
EINECS 231-600-2
HS Nr 28273985

Assay	>99.995%
Sulfate	<20ppm
Nitrogen (N)	<10ppm
Aluminium (Al)	<0.02ppm
Boron (B)	<0.05ppm
Barium (Ba)	<2ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.02ppm
Potassium (K)	<2ppm
Lithium (Li)	<0.2ppm
Magnesium (Mg)	<0.05ppm

Manganese (Mn)	<0.01ppm
Sodium (Na)	<4ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.005ppm
Rubidium (Rb)	<5ppm
Strontium (Sr)	<0.2ppm
Thallium (Tl)	<0.01ppm
Zinc (Zn)	<0.02ppm

Art. Nr.	Pack	Pack Type
CL00.0354.0025	25 g	PE
CL00.0354.0100	100 g	PE

Hydrogen peroxide 30 weight % solution (ultra pure) CL00.2313

*For laboratory use, AAS and ICP 30+% H2O2

Mol.Weight 34.01 g/mol
Density 1.11 g/ml
CasNr 7722-84-1
EINECS 231-765-0
HS Nr 28470000
UN 2014
ADR 5.1 (8),II
IATA 5.1 (8),II
IMDG 5.1 (8),II
HNrs H271-H302-H314-H318-H335-H412
PNrs P210-P310-P301 + P330 + P331-P305 + P351 + P338-P303 + P361 + P353-P280

DANGER.

Assay	>30%
Non Volatiles	<50ppm
Residue after Ignition	<20ppm

Free Acid	<40ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.01ppm
Gold (Au)	<0.005ppm
Boron (B)	<0.01ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.002ppm
Calcium (Ca)	<0.02ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.05ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.005ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm

Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.02ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.005ppm
Platinum (Pt)	<0.02ppm
Antimony (Sb)	<0.02ppm
Tin (Sn)	<0.002ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.002ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Chloride	<0.5ppm
Phosphate	<1ppm
Sulfate	<1ppm
Nitrogen (N)	<2ppm

Art. Nr.	Pack	Pack Type
CL00.2313.1000	1 l	PEB/OD

UltraPure Chemicals

Lithium nitrate (ultra pure) CL00.1219

For laboratory use, AAS and ICP 99+% LiNO3

Mol.Weight 68.95 g/mol
Density 2.36 g/cm3
CasNr 7790-69-4
EINECS 232-218-9
HS Nr 28342980
HNrs H272
PNrs P262
UN 2722
ADR 5.1,III
IATA 5.1,III
IMDG 5.1,III

WARNING.

Assay	>99%
Chloride	<10ppm
Sulfate	<10ppm
Aluminium (Al)	<0.02ppm
Barium (Ba)	<5ppm
Calcium (Ca)	<2ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Caesium (Cs)	<5ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.05ppm
Potassium (K)	<5ppm
Magnesium (Mg)	<0.5ppm
Manganese (Mn)	<0.005ppm
Sodium (Na)	<20ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.005ppm
Rubidium (Rb)	<0.5ppm
Strontium (Sr)	<5ppm
Thallium (Tl)	<0.01ppm
Zinc (Zn)	<0.005ppm

Art. Nr.	Pack	Pack Type
CL00.1219.0100	100 g	PE
CL00.1219.0500	500 g	PE

Lithium nitrate 5 g/l solution (ultra pure) CL02.1211

For laboratory use, AAS and ICP 5 g LiNO3 / l H2O

Density 1.00 g/ml
CasNr 7790-69-4
EINECS 232-218-9
HS Nr 28342980

Chloride	<1ppm
Sulfate	<1ppm
Aluminium (Al)	<0.002ppm
Barium (Ba)	<0.5ppm
Calcium (Ca)	<0.2ppm
Cadmium (Cd)	<0.0005ppm
Cobalt (Co)	<0.0005ppm
Caesium (Cs)	<0.5ppm
Copper (Cu)	<0.0005ppm
Iron (Fe)	<0.005ppm
Potassium (K)	<0.5ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.0005ppm
Sodium (Na)	<2ppm
Nickel (Ni)	<0.0005ppm
Lead (Pb)	<0.0005ppm
Rubidium (Rb)	<0.05ppm
Strontium (Sr)	<0.5ppm
Thallium (Tl)	<0.001ppm
Zinc (Zn)	<0.0005ppm

Art. Nr.	Pack	Pack Type
CL02.1211.1000	1 l	PE/H
CL02.1211.5000	5 l	PE

Lithium tetraborate (ultra pure) CL00.1218

For laboratory use, AAS and ICP 99.6+% Li2B4O7

Mol.Weight 169.12 g/mol
CasNr 12007-60-2
EINECS 234-514-3
HS Nr 28402090
HNrs H315-H319-H335
PNrs P261-P305 + P351 + P338

WARNING.

Assay	>99.6%
Chloride	<5ppm
Phosphate	<2ppm
Sulfate	<5ppm
Heavy Metals as Lead (Pb)	<5ppm
Calcium (Ca)	<5ppm
Iron (Fe)	<1ppm
Potassium (K)	<5ppm
Magnesium (Mg)	<1ppm
Sodium (Na)	<5ppm

Art. Nr.	Pack	Pack Type
CL00.1218.0250	250 g	PE
CL00.1218.1000	1 kg	PE

Mercury (ultra pure) CL00.1333

For laboratory use, AAS and ICP 99.999+% Hg

Mol.Weight 200.59 g/mol
Density 13.55 g/ml
CasNr 7439-97-6
EINECS 231-106-7
HS Nr 28054090
HNrs H360D-H330-H372-H400-H410
PNrs P201-P273-P309 + P310-P304 + P340
UN 2809
ADR 8 (6.1),III
IATA 8 (6.1),III
IMDG 8 (6.1),III

DANGER.

Assay	>99.999%
Aluminium (Al)	<0.05ppm
Barium (Ba)	<0.005ppm
Beryllium (Be)	<0.005ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Chromium (Cr)	<0.005ppm
Chromium (Cr)	<0.005ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.05ppm
Indium (In)	<0.005ppm
Potassium (K)	<0.1ppm
Lithium (Li)	<0.005ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.005ppm
Molybdenum (Mo)	<0.005ppm
Sodium (Na)	<0.1ppm
Nickel (Ni)	<0.01ppm
Lead (Pb)	<0.005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.005ppm
Titanium (Ti)	<0.005ppm
Thallium (Tl)	<0.005ppm
Vanadium (V)	<0.005ppm
Zinc (Zn)	<0.005ppm

Art. Nr.	Pack	Pack Type
CL00.1333.0100	100 g	D50/P
CL00.1333.1000	1 kg	D50/P

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Nitric acid 70% (ultra pure) — CL00.1934

For laboratory use, AAS and ICP — 69+% HNO3 - (Appearance of a yellowish tinge in the container has no impact on product quality).

Mol.Weight 63.01 g/mol — **UN** 2031
Density 1.41 g/ml — **ADR** 8 (5.1),II
CasNr 7697-37-2 — **IATA** 8 (5.1),II
EINECS 231-714-2 — **IMDG** 8 (5.1),II
HS Nr 28080000
HNrs H272-H314-H290
PNrs P260-P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

DANGER.

Assay	>69%
Chloride	<0.04ppm
Phosphate	<0.1ppm
Sulfate	<0.4ppm

Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.030ppm
Arsenic (As)	<0.005ppm
Gold (Au)	<0.004ppm
Barium (Ba)	<0.001ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.05ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Chromium (Cr)	<0.010ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.020ppm
Germanium (Ge)	<0.004ppm
Mercury (Hg)	<0.0005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.005ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.005ppm
Sodium (Na)	<0.200ppm
Nickel (Ni)	<0.001ppm

Lead (Pb)	<0.0005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.005ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Boron (B)	<0.004ppm
Selenium (Se)	<0.001ppm
Antimony (Sb)	<0.005ppm
Niobium (Nb)	<0.001ppm
Silicon (Si)	<0.020ppm
Tantalum (Ta)	<0.002ppm
Non Volatiles	<2ppm

Art. Nr.	Pack	Pack Type
CL00.1934.0500	500 ml	GVB/H
CL00.1934.1000	1 l	GVB/H

Perchloric acid 70% (ultra pure) — CL00.1629

For laboratory use, AAS and ICP — 70+% HClO4

Mol.Weight 100.46 g/mol — **UN** 1873
Density 1.68 g/ml — **ADR** 5.1 (8),I
CasNr 7601-90-3 — **IATA** 5.1 (8),I
EINECS 231-512-4 — **IMDG** 5.1 (8),I
HS Nr 28111980
HNrs H271-H314
PNrs P210-P220-P280-P301 + P330 + P331-P305 + P351 + P338-P309 + P310

DANGER.

Assay	>70%
Phosphate	<0.1ppm
Sulfate	<5ppm
Nitrogen (N)	<10ppm
Silver (Ag)	<0.002ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.01ppm
Gold (Au)	<0.005ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.005ppm
Calcium (Ca)	<0.03ppm
Cadmium (Cd)	<0.001ppm
Cobalt (Co)	<0.001ppm
Copper (Cu)	<0.001ppm
Chromium (Cr)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Mercury (Hg)	<0.005ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.02ppm

Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.01ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.05ppm
Nickel (Ni)	<0.002ppm
Lead (Pb)	<0.005ppm
Tin (Sn)	<0.005ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.001ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm

Art. Nr.	Pack	Pack Type
CL00.1629.0250	250 ml	GVB
CL00.1629.1000	1 l	GVB

Potassium bromide (ultra pure) — CL00.1126

For laboratory use, AAS and ICP — 99.5+% KBr

Mol.Weight 119.01 g/mol
Density 2.75 g/cm3
CasNr 7758-02-3
EINECS 231-830-3
HS Nr 28275100
HNrs H319
PNrs P280-P305 + P351 + P338

WARNING.

Assay	>99.5%
Bromate	<10ppm
Chloride	<500ppm
Iodide (I)	<200ppm
Sulfate	<10ppm
Nitrogen (N)	<10ppm
Aluminium (Al)	<0.01ppm
Barium (Ba)	<2ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.001ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.01ppm
Sodium (Na)	<5ppm
Nickel (Ni)	<0.005ppm

Lead (Pb)	<0.005ppm
Strontium (Sr)	<0.1ppm
Thallium (Tl)	<0.01ppm
Zinc (Zn)	<0.01ppm

Art. Nr.	Pack	Pack Type
CL00.1126.0100	100 g	PE
CL00.1126.0500	500 g	PE

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

UltraPure Chemicals

Potassium chloride (ultra pure) — CL00.1125

For laboratory use, AAS and ICP 99.5+% KCl

Mol.Weight 74.55 g/mol
Density 1.88 g/cm3
CasNr 7447-40-7
EINECS 231-211-8
HS Nr 31051000

Assay	>99.5%
Phosphate	<5ppm
Sulfate	<10ppm
Nitrogen (N)	<10ppm
Aluminium (Al)	<0.01ppm
Barium (Ba)	<1ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Chromium (Cr)	<0.01ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.01ppm
Lithium (Li)	<0.4ppm
Magnesium (Mg)	<0.05ppm
Manganese (Mn)	<0.01ppm
Sodium (Na)	<5ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.01ppm
Strontium (Sr)	<0.1ppm
Thallium (Tl)	<0.01ppm
Zinc (Zn)	<0.005ppm

Art. Nr.	Pack	Pack Type
CL00.1125.0050	50 g	PE
CL00.1125.1000	1 kg	PE

Rubidium sulfate (ultra pure) — CL00.1806

For laboratory use, AAS and ICP 99+% Rb2SO4

Mol.Weight 266.99 g/mol
Density 3.613 mg/cm3
CasNr 7488-54-2
EINECS 231-301-7

Assay	>99%
Aluminium (Al)	<0.05ppm
Boron (B)	<0.05ppm
Barium (Ba)	<2ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Caesium (Cs)	<20ppm
Copper (Cu)	<0.01ppm
Iron (Fe)	<0.05ppm
Potassium (K)	<500ppm
Lithium (Li)	<0.4ppm
Magnesium (Mg)	<0.05ppm
Manganese (Mn)	<0.01ppm
Sodium (Na)	<2ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.005ppm
Strontium (Sr)	<0.1ppm
Thallium (Tl)	<0.01ppm
Zinc (Zn)	<0.005ppm

Art. Nr.	Pack	Pack Type
CL00.1806.0025	25 g	PE
CL00.1806.0100	100 g	PE

Sodium acetate, anhydrous (ultra pure) — CL00.1427

For laboratory use, AAS and ICP 99+% CH3COONa

Mol.Weight 82.03 g/mol
Density 1.52 g/cm3
CasNr 127-09-3
EINECS 204-823-8
HS Nr 29152900

Assay	>99%
Chloride	<5ppm
Phosphate	<5ppm
Sulfate	<20ppm
Aluminium (Al)	<0.05ppm
Barium (Ba)	<5ppm
Bismuth (Bi)	<0.01ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.005ppm
Cobalt (Co)	<0.005ppm
Chromium (Cr)	<0.01ppm
Caesium (Cs)	<2ppm
Copper (Cu)	<0.005ppm
Iron (Fe)	<0.05ppm
Potassium (K)	<5ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.05ppm
Nickel (Ni)	<0.005ppm
Lead (Pb)	<0.005ppm
Rubidium (Rb)	<0.5ppm
Strontium (Sr)	<0.1ppm
Thallium (Tl)	<0.005ppm
Zinc (Zn)	<0.005ppm

Art. Nr.	Pack	Pack Type
CL00.1427.0050	50 g	PE
CL00.1427.0500	500 g	PE

Tetra fluoroboric acid 38% solution (ultra pure) — CL00.2009

For laboratory use, AAS and ICP 380 g HBF4 / kg sol.

Mol.Weight 87.81 g/mol
Density 1.25 g/ml
CasNr 16872-11-0
EINECS 240-898-3
HS Nr 28111980
HNrs H314
PNrs P280-P305 + P351 + P338-P310

UN 1775
ADR 8,II
IATA 8,II
IMDG 8,II

DANGER.

Chloride	<0.5ppm
Hexafluorosilicate	<20ppm
Phosphate	<0.1ppm
Sulfate	<0.5ppm
Sulfite	<2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.02ppm
Gold (Au)	<0.002ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.02ppm
Indium (In)	<0.002ppm
Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Residue after Ignition	<2ppm

Art. Nr.	Pack	Pack Type
CL00.2009.0250	250 ml	PE
CL00.2009.1000	1 l	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Tetra fluoroboric acid solution (ultra pure) CL02.2025

TMR - For laboratory use, AAS and ICP 192 g H3BO3 + 450 ml HF 40%

Mol.Weight 87.81 g/mol **UN** 1775
Density 1.23 g/ml **ADR** 8,II
CasNr 16872-11-0 **IATA** 8,II
EINECS 240-898-3 **IMDG** 8,II
HS Nr 28111980
HNrs H314
PNrs P280-P305 + P351 + P338-P310

DANGER.

Chloride	<0.5ppm
Hexafluorosilicate	<20ppm
Phosphate	<0.1ppm
Sulfate	<0.5ppm
Sulfite	<2ppm
Silver (Ag)	<0.001ppm
Aluminium (Al)	<0.005ppm
Arsenic (As)	<0.02ppm
Gold (Au)	<0.002ppm
Barium (Ba)	<0.01ppm
Beryllium (Be)	<0.001ppm
Bismuth (Bi)	<0.001ppm
Calcium (Ca)	<0.01ppm
Cadmium (Cd)	<0.002ppm
Cobalt (Co)	<0.002ppm
Chromium (Cr)	<0.001ppm
Copper (Cu)	<0.001ppm
Iron (Fe)	<0.01ppm
Gallium (Ga)	<0.005ppm
Germanium (Ge)	<0.002ppm
Mercury (Hg)	<0.02ppm
Indium (In)	<0.002ppm

Potassium (K)	<0.01ppm
Lithium (Li)	<0.001ppm
Magnesium (Mg)	<0.005ppm
Manganese (Mn)	<0.001ppm
Molybdenum (Mo)	<0.001ppm
Sodium (Na)	<0.01ppm
Nickel (Ni)	<0.001ppm
Lead (Pb)	<0.002ppm
Tin (Sn)	<0.001ppm
Strontium (Sr)	<0.001ppm
Titanium (Ti)	<0.01ppm
Thallium (Tl)	<0.001ppm
Vanadium (V)	<0.001ppm
Zinc (Zn)	<0.005ppm
Zirconium (Zr)	<0.001ppm
Residue after Ignition	<2ppm

Art. Nr.	Pack	Pack Type
CL02.2025.2500	2,5 l	PE

Toluene (ultra pure) CL00.2035

Reference substance for gas chromatography 99.99+% C7H8

Mol.Weight 92.14 g/mol **UN** 1294
Density 0.87 g/ml **ADR** 3,II
CasNr 108-88-3 **IATA** 3,II
EINECS 203-625-9 **IMDG** 3,II
HS Nr 29023000
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Assay	>99.99%

Art. Nr.	Pack	Pack Type
CL00.2035.1000	1 l	GVB

Water (ultra pure) CL02.2101

For laboratory use, AAS and ICP, ASTM D-94, D-129 H2O - LF < 1 µS - 0.4 µm, UV filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	< 1 ppm
Chloride	< 0.05 ppm
Fluoride	< 0.05 ppm
Nitrate	< 0.01 ppm
Phosphate	< 0.01 ppm
Silicate	<0.01 ppm
Sulfate	<0.1 ppm
Silver (Ag)	<0.0004 ppm
Aluminium (Al)	<0.002 ppm
Arsenic (As)	<0.002 ppm
Gold (Au)	<0.001 ppm
Boron (B)	<0.005 ppm
Barium (Ba)	<0.001 ppm
Beryllium (Be)	<0.002 ppm
Bismuth (Bi)	<0.001 ppm
Calcium (Ca)	<0.005 ppm
Cadmium (Cd)	<0.001 ppm
Cobalt (Co)	<0.001 ppm
Chromium (Cr)	<0.0004 ppm
Copper (Cu)	<0.0004 ppm
Iron (Fe)	<0.001 ppm
Potassium (K)	<0.005 ppm
Lithium (Li)	<0.002 ppm
Magnesium (Mg)	<0.005 ppm
Manganese (Mn)	<0.0004 ppm
Molybdenum (Mo)	<0.002 ppm

Sodium (Na)	<0.01 ppm
Nickel (Ni)	<0.0004 ppm
Lead (Pb)	<0.001 ppm
Palladium (Pd)	<0.008 ppm
Platinum (Pt)	<0.001 ppm
Antimony (Sb)	<0.001 ppm
Selenium (Se)	<0.0001 ppm
Tin (Sn)	<0.001 ppm
Strontium (Sr)	<0.0004 ppm
Titanium (Ti)	<0.001 ppm
Thallium (Tl)	<0.00005 ppm
Vanadium (V)	<0.001 ppm
Zinc (Zn)	<0.004 ppm
Zirconium (Zr)	<0.001 ppm

Art. Nr.	Pack	Pack Type
CL02.2101.5000	5 l	PE
CL02.2101.9010	10 l	PE
CL02.2101.9025	25 l	PE
CL02.2101.9520	20 l	EP

Water for Inorganic Analysis Methods

Water, High Purity ICP-MS grade (Pico-Pure Plus)

NEW CL02.2107

For laboratory use, ICP-MS trace analysis — H2O - LF < 1 µS - 0.2 µm filtrated (ppt range HM traces)

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Colour	<10APHA
Chloride	<1ppt
Phosphate	<1ppt
Sulfite	<1ppt
Aluminium (Al)	<20ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<10ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<20ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<10ppt
Hafnium (Hf)	<1ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<20ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<10ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<10ppt
Platinum (Pt)	<10ppt
Potassium (K)	<10ppt
Praseodymium (Pr)	<10ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<10ppt
Samarium (Sm)	<10ppt
Scandium (Sc)	<10ppt
Selenium (Se)	<50ppt
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	<10ppt
Tellurium (Te)	<1ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<10ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL02.2107.1000	1 l	LDPE

Water (ultra pure)

CL02.2101

For laboratory use, AAS and ICP, ASTM D-94, D-129 — H2O - LF < 1 µS - 0.4 µm, UV filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	< 1 ppm
Chloride	< 0.05 ppm
Fluoride	< 0.05 ppm
Nitrate	< 0.01 ppm
Phosphate	< 0.01 ppm
Silicate	<0.01 ppm
Sulfate	<0.1 ppm
Silver (Ag)	<0.0004 ppm
Aluminium (Al)	<0.002 ppm
Arsenic (As)	<0.002 ppm
Gold (Au)	<0.001 ppm
Boron (B)	<0.005 ppm
Barium (Ba)	<0.001 ppm
Beryllium (Be)	<0.002 ppm
Bismuth (Bi)	<0.001 ppm
Calcium (Ca)	<0.005 ppm
Cadmium (Cd)	<0.001 ppm
Cobalt (Co)	<0.001 ppm
Chromium (Cr)	<0.0004 ppm
Copper (Cu)	<0.0004 ppm
Iron (Fe)	<0.001 ppm
Potassium (K)	<0.005 ppm
Lithium (Li)	<0.002 ppm
Magnesium (Mg)	<0.005 ppm
Manganese (Mn)	<0.0004 ppm
Molybdenum (Mo)	<0.002 ppm
Sodium (Na)	<0.01 ppm
Nickel (Ni)	<0.0004 ppm
Lead (Pb)	<0.001 ppm
Palladium (Pd)	<0.008 ppm
Platinum (Pt)	<0.001 ppm
Antimony (Sb)	<0.001 ppm
Selenium (Se)	<0.0001 ppm
Tin (Sn)	<0.001 ppm
Strontium (Sr)	<0.0004 ppm
Titanium (Ti)	<0.001 ppm
Thallium (Tl)	<0.00005 ppm
Vanadium (V)	<0.001 ppm
Zinc (Zn)	<0.004 ppm
Zirconium (Zr)	<0.001 ppm

Art. Nr.	Pack	Pack Type
CL02.2101.5000	5 l	PE
CL02.2101.9010	10 l	PE
CL02.2101.9025	25 l	PE
CL02.2101.9520	20 l	EP

Water, IC grade

NEW CL02.2115

For laboratory use & Ion Chromatography — H2O - LF < 2 µS - 0.2 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<5ppm
Conductivity	<2µS
Acetate	<10 µg/l
Formate	<10 µg/l
Glycolate	<10 µg/l
Oxalate	<10 µg/l
Bromate	<1 µg/l
Bromide	<1 µg/l
Chlorate	<1 µg/l
Chloride	<1 µg/l
Fluoride	<1 µg/l
Iodide (I)	<1 µg/l
Nitrate	<1 µg/l
Nitrite	<1 µg/l
Phosphate	<1 µg/l
Sulfate	<1 µg/l
Aluminium (Al)	<0.005µg/l
Barium (Ba)	<0.005µg/l
Bismuth (Bi)	<0.005µg/l
Calcium (Ca)	<0.01µg/l
Cadmium (Cd)	<0.005µg/l
Cobalt (Co)	<0.005µg/l
Chromium (Cr)	<0.005µg/l
Copper (Cu)	<0.005µg/l
Iron (Fe)	<0.005µg/l
Potassium (K)	<0.01µg/l
Lithium (Li)	<0.005µg/l
Magnesium (Mg)	<0.005µg/l
Manganese (Mn)	<0.005µg/l
Molybdenum (Mo)	<0.005µg/l
Ammonia	<0.01µg/l
Sodium (Na)	<0.01µg/l
Nickel (Ni)	<0.005µg/l
Lead (Pb)	<0.005µg/l
Strontium (Sr)	<0.005µg/l

Art. Nr.	Pack	Pack Type
CL02.2115.5000	5 l	FL/HDPE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Water for Inorganic Analysis Methods

Water (double distilled pyrogen free) CL02.0208

For laboratory use H2O - LF < 5 µS

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Art. Nr.	Pack	Pack Type
CL02.0208.5000	5 l	PE
CL02.0208.9010	10 l	PE

Water Demineralised CL02.2102

For laboratory use H2O - LF < 5 µS

Non Volatiles	< 5 ppm

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Art. Nr.	Pack	Pack Type
CL02.2102.9010	10 l	PE
CL02.2102.9025	25 l	PE

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

1 Inorganic Standards

1.4 IC Standards

IC Anion Standards 10 000 mg/L

Ammonia				**NEW**
Ammonia	29.7 g NH4Cl / l H2O	100 ml 500 ml	CL01.0112.0100 CL01.0112.0500	
Fructose, D(-)				**NEW**
Fructose, D(-)	10 g C6H12O6 / l H2O	100 ml	CL01.0693.0100	
Galactose, D(+)				**NEW**
Galactose, D(+)	10 g C6H12O6 / l H2O	100 ml	CL01.0783.0100	
Glucose, D(+)				**NEW**
Glucose, D(+)	10 g C6H12O6 / l H2O	100 ml	CL01.0773.0100	
Lactose				**NEW**
Lactose	10 g C12H22O11 / l H2O	100 ml	CL01.1263.0100	
Saccharose, D(+)				**NEW**
Saccharose, D(+)	10 g C12H22O11 / l H2O	100 ml	CL01.4523.0100	

IC Cation Standards 10 000 mg/L

Calcium				**NEW**
Calcium	36.68 g CaCl2.2H2O / l H2O	100 ml	CL01.0320.0100	
Magnesium				**NEW**
Magnesium	83.63 g MgCl2.6H2O / l H2O	100 ml 500 ml	CL01.1343.0100 CL01.1343.0500	
Potassium				
Potassium	19.07 g KCl / l H2O	100 ml	CL01.1110.0100	

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

IC Anion Standards 1 000 mg/L

Acetate				
Acetate	1.389 g CH_3COONa / l H_2O	100 ml	CL01.0151.0100	
Adipate				NEW
Adipate	1.319 g $C_6H_8Na_2O_4$ / l H_2O	100 ml	CL01.0171.0100	
Benzoate				NEW
Benzoate	1.008 g $C_7H_6O_2$ / l H_2O	100 ml	CL01.0271.0100	
Bromate				
Bromate	1.306 g $KBrO_3$ / l H_2O	100 ml 500 ml	CL01.0261.0100 CL01.0261.0500	
Bromide				
Bromide	1.489 g KBr / l H_2O	100 ml 500 ml	CL01.0241.0100 CL01.0241.0500	
Butyrate				NEW
Butyrate	1.264 g $C_4H_7NaO_2$ / l H_2O	100 ml	CL01.0281.0100	
Carbonate				
Carbonate	1.766 g Na_2CO_3 / l H_2O	100 ml 500 ml	CL01.0391.0100 CL01.0391.0500	
Chlorate				
Chlorate	1.470 g $KClO_3$ / l H_2O	100 ml 500 ml	CL01.0348.0100 CL01.0348.0500	
Chloride				
Chloride	2.1 g KCl / l H_2O	100 ml 500 ml	CL01.0341.0100 CL01.0341.0500	
Chloride	1.649 g NaCl / l H_2O	100 ml 500 ml	CL01.0342.0100 CL01.0342.0500	
Chlorite				NEW
Chlorite	1.341 g $NaClO_2$ / l 0.1 mol/l NaOH (Keep Cool !)	100 ml	CL01.0871.0100	
Chromate				
Chromate	1.471 g $K_2Cr_2O_7$ / l H_2O	100 ml 500 ml	CL01.0351.0100 CL01.0351.0500	
Chromate	1.674 g K_2CrO_4 / l H_2O	100 ml 500 ml	CL01.0354.0100 CL01.0354.0500	
Citrate				NEW
Citrate	1.365 g $C_6H_5Na_3O_7$ / l H_2O	100 ml	CL01.2921.0100	
Cyanide				
Cyanide	2.503 g KCN / l H_2O (Keep Cool !)	100 ml 500 ml	CL01.0371.0100 CL01.0371.0500	
Detergents(-) Anionic				
Detergents(-) Anionic	1 g TPBS / l H_2O	100 ml 500 ml	CL01.0411.0100 CL01.0411.0500	

IC Anion Standards 1 000 mg/L

Detergents(non) ionic				
Detergents(non) ionic	1 g TRITON® X-100 / l H2O	100 ml 500 ml	CL01.0421.0100 CL01.0421.0500	
Detergents(-) Anionic				
Detergents(-) Anionic	1 g C12H25NaO4S / l H2O	100 ml 500 ml	CL01.0413.0100 CL01.0413.0500	
Detergents(+) Kationic				
Detergents(+) Kationic	1 g CTAB / l H2O	100 ml 500 ml	CL01.0401.0100 CL01.0401.0500	
Dichromate				
Dichromate	1.362 g K2Cr2O7 / l H2O	100 ml 500 ml	CL01.0353.0100 CL01.0353.0500	
Fluoride				
Fluoride	2.21 g NaF / l H2O	100 ml 500 ml	CL01.0611.0100 CL01.0611.0500	
Formaldehyde				
Formaldehyde	1 g HCOH / l H2O	100 ml 500 ml	CL01.0651.0100 CL01.0651.0500	
Formate				
Formate	1.501 g HCOONa / l H2O	100 ml	CL01.0671.0100	
Fructose, D(-)				**NEW**
Fructose, D(-)	1 g C6H12O6 / l H2O	100 ml	CL01.0691.0100	
Galactose, D(+)				**NEW**
Galactose, D(+)	1 g C6H12O6 / l H2O	100 ml	CL01.0781.0100	
Glucose, D(+)				**NEW**
Glucose, D(+)	1 g C6H12O6 / l H2O	100 ml	CL01.0771.0100	
Glutarate				**NEW**
Glutarate	1.016 g C5H8O4 / l H2O	100 ml	CL01.0761.0100	
Glycolate				**NEW**
Glycolate	1.013 g C2H4O3 / l H2O	100 ml	CL01.0751.0100	
Hydrazine				
Hydrazine	4.061 g N2H4.H2SO4 / l H2O	100 ml 500 ml	CL01.0831.0100 CL01.0831.0500	
Hydrogen carbonate				
Hydrogen carbonate	1.377 g NaHCO3 / l H2O	100 ml 500 ml	CL01.2311.0100 CL01.2311.0500	
Iodide				
Iodide	1.308 g KI / l H2O	100 ml 500 ml	CL01.1001.0100 CL01.1001.0500	
L-Lactate				
L-Lactate	1.244 g C3H5NaO3 / l H2O	100 ml	CL01.1241.0100	

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

IC Anion Standards 1 000 mg/L

Lactose			**NEW**
Lactose	1 g C12H22O11 / l H2O	100 ml	CL01.1261.0100
Malate			**NEW**
Malate	1.016 g C4H6O5 / l H2O	100 ml	CL01.1382.0100
Maleate			**NEW**
Maleate	1.009 g C4H4O4 / l H2O	100 ml	CL01.1383.0100
Malonate			**NEW**
Malonate	1.021 g C3H4O4 / l H2O	100 ml	CL01.1384.0100
Molybdate			
Molybdate	1.5128 g Na2MoO4.2H2O / l H2O	100 ml	CL01.1361.0100
Nitrate			
Nitrate	1.63 g KNO3 / l H2O	100 ml 500 ml	CL01.1441.0100 CL01.1441.0500
Nitrite			
Nitrite	1.50 g NaNO2 / l H2O	100 ml 500 ml	CL01.1451.0100 CL01.1451.0500
Nitrogen			
Nitrogen	7.218 g KNO3 / l H2O	100 ml 500 ml	CL01.1991.0100 CL01.1991.0500
Nitrogen	3.81 g NH4Cl / l 0.001 mol HCl	100 ml 500 ml	CL01.1952.0100 CL01.1952.0500
Nitrogen	9.65 g C8H9NO / l CH3OH/H2O (4/6)	100 ml 500 ml	CL01.1954.0100 CL01.1954.0500
Nitrogen	4.717 g (NH4)2SO4 / l H2O	100 ml 500 ml	CL01.1955.0100 CL01.1955.0500
Nitrogen	4.9262 g NaNO2 / l H2O	100 ml 500 ml	CL01.1981.0100 CL01.1981.0500
Nitrogen	3.81 g NH4Cl / l H2O	100 ml 500 ml	CL01.1951.0100 CL01.1951.0500
Oxalate			
Oxalate	1.523 g Na2C2O4 / l H2O	100 ml	CL01.1511.0100
Perchlorate			
Perchlorate	1.393 g KClO4 / l H2O	100 ml 500 ml	CL01.0349.0100 CL01.0349.0500
Phenol			
Phenol	1 g C6H5OH / l 0.4% NaOH (Store cool and dark !)	100 ml 500 ml	CL01.0601.0100 CL01.0601.0500
Phosphate			
Phosphate	2.2014 g NaNH4HPO4.4H2O / l H2O	100 ml 500 ml	CL01.0622.0100 CL01.0622.0500
Phthalate			**NEW**
Phthalate	1.244 g C8H5KO4 / l H2O	100 ml	CL01.0672.0100

IC Anion Standards 1 000 mg/L

Propionate				
Propionate	1.314 g C2H5CO2Na / l H2O	100 ml	CL01.1631.0100	
Saccharose, D(+)				**NEW**
Saccharose, D(+)	1 g C12H22O11 / l H2O	100 ml	CL01.4521.0100	
Silicate				
Silicate	1 g SiO2 / l 0.4% NaOH	100 ml 500 ml	CL01.1941.0100 CL01.1941.0500	
Succinate				**NEW**
Succinate	1.017 g C4H6O4 / l H2O	100 ml	CL01.4511.0100	
Sulfate				
Sulfate	1.021 g H2SO4 / l H2O	100 ml 500 ml	CL01.1975.0100 CL01.1975.0500	
Sulfate	1.8141 g K2SO4 / l H2O	100 ml 500 ml	CL01.1972.0100 CL01.1972.0500	
Sulfate	1.479 g Na2SO4 / l H2O	100 ml 500 ml	CL01.1971.0100 CL01.1971.0500	
Tartrate				**NEW**
Tartrate	1.014 g C4H6O6 / l H2O	100 ml	CL01.2341.0100	
Thiocyanate				
Thiocyanate	1.673 g KCNS / l H2O	100 ml 500 ml	CL01.2661.0100 CL01.2661.0500	
Thiosulfate				**NEW**
Thiosulfate	1.41g Na2S2O3 / l H2O	100 ml	CL01.2351.0100	

IC Cation Standards 1 000 mg/L

Ammonia				**NEW**
Ammonia	2.97 g NH4Cl / l H2O	100 ml 500 ml	CL01.0111.0100 CL01.0111.0500	
Barium				**NEW**
Barium	1.779 g BaCl2.2H2O / l H2O	100 ml 500 ml	CL01.0208.0100 CL01.0208.0500	
Calcium				**NEW**
Calcium	3.668 g CaCl2.2H2O / l H2O	100 ml 500 ml	CL01.0338.0100 CL01.0338.0500	
Cesium				**NEW**
Cesium	1.267 g CsCl / l H2O	100 ml 500 ml	CL01.0336.0100 CL01.0336.0500	
Diethanolamine				**NEW**
Diethanolamine	1.000 g C4H11NO2 / l H2O	100 ml	CL01.0451.0100	
Dimethylamine				**NEW**
Dimethylamine	1.000 g C2H7N / l H2O	100 ml	CL01.0461.0100	
Ethanolamine				**NEW**
Ethanolamine	1.000 g C2H7NO / l H2O	100 ml	CL01.0521.0100	
Lithium				**NEW**
Lithium	6.108 g LiCl / l H2O	100 ml 500 ml	CL01.1218.0100 CL01.1218.0500	
Magnesium				**NEW**
Magnesium	8.363 g MgCl2.6H2O / l H2O	100 ml 500 ml	CL01.1342.0100 CL01.1342.0500	
Methoxypropylamine-(3)				**NEW**
Methoxypropylamine-(3)	1.000 g C4H11NO / l H2O	100 ml	CL01.1381.0100	
Monoethanolamine				**NEW**
Monoethanolamine	1 g C2H7NO / l H2O	500 ml	CL01.1371.0500	
Morpholine				**NEW**
Morpholine	1.000 g C4H9NO / l H2O	100 ml	CL01.1351.0100	
Potassium				**NEW**
Potassium	1.907 g KCl / l H2O	100 ml 500 ml	CL01.1111.0100 CL01.1111.0500	
Rubidium				**NEW**
Rubidium	1.415 g RbCl / l H2O	100 ml 500 ml	CL01.1828.0100 CL01.1828.0500	
Sodium				**NEW**
Sodium	2.542 g NaCl / l H2O	100 ml 500 ml	CL01.1418.0100 CL01.1418.0500	

IC Cation Standards 1 000 mg/L

Strontium			**NEW**
Strontium	3.043 g SrCl2.6H2O / l H2O	100 ml 500 ml	CL01.1968.0100 CL01.1968.0500
Urea			**NEW**
Urea	1 g CH4N2O / l H2O	1 l	CL01.2111.1000

Certificate of Analysis
IONEX Reference Standard

Catalogue No.: CL01.0111 *Lot Nr.: 25.1650910*

Ammonia IC standard solution (Ion HIQU)

2.97 g NH4Cl / l H2O

Measured value: 1 000 mg/L *Density: 0,999 g/mL - 20°C*

Uncertainty: The uncertainty in the certified value is ± 0,2 % and is calculated in accordance to GUM and EA-4/02 as U = k .uc where k=2 is the coverage factor for a 95% coverage probability and uc is obtained from the standard uncertainty. U is the expanded uncertainty which includes the contribution of the primary reference material, temperature, and other contributions of the measuring system.

Traceability: Reference standards acc. NIST SRM 919b

Preparation: This single element standard was prepared to a nominal concentration of 1,000.00 µg/ml by gravimetric methods from high purity metal or salt, 0,22 µm filtered ultra pure acids and 18 M high purity water. All balances are regularly calibrated according to NIST standards.

Impurity Information (*)

* All balances are regularly calibrated according to NIST standards.

Quality Managment System:
Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the following guides:

Guide to the Expression of Uncertainty in Measurement	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025: 2000
Guideline for the requirements for the competence of reference materials manufacturers	LAC G12: 2000

Chemist: Luis Bianchi

Date of release: 09-10-2017
Minimum Shelf Life: oktober-2020

CHEM LAB NV
Industrieterrein "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F06B

IC Anion Standards Economy

Bromide			
Bromide	1.489 g KBr / l H2O	100 ml 500 ml	CL01.0246.0100 CL01.0246.0500
Carbonate			
Carbonate	1.766 g Na2CO3 / l H2O	500 ml	CL01.0396.0500
Chloride			
Chloride	2.1 g KCl / l H2O	500 ml	CL01.0346.0500
Chromate			
Chromate	1.471 g K2Cr2O7 / l H2O	500 ml	CL01.0355.0500
Cyanide			
Cyanide	2.1092 g K3(Fe(CN)6) / l H2O	500 ml	CL01.0378.0500
Cyanide	2.503 g KCN / l H2O (Keep Cool !)	500 ml	CL01.0376.0500
Fluoride			
Fluoride	2.21 g NaF / l H2O	500 ml	CL01.0616.0500
Hydrazine			
Hydrazine	4.1 g N2H4.H2SO4 / l H2O	500 ml	CL01.0836.0500
Hydrogen carbonate			
Hydrogen carbonate	1.377 g NaHCO3 / l H2O	500 ml	CL01.2316.0500
Iodide			
Iodide	1.308 g KI / l H2O	500 ml	CL01.1006.0500
Nitrate			
Nitrate	1.63 g KNO3 / l H2O	500 ml	CL01.1446.0500
Nitrite			
Nitrite	1.50 g NaNO2 / l H2O	500 ml	CL01.1456.0500
Nitrogen			
Nitrogen	7.218 g KNO3 / l H2O	500 ml	CL01.1996.0500
Nitrogen	4.9262 g NaNO2 / l H2O	500 ml	CL01.1986.0500
Nitrogen	3.81 g NH4Cl / l H2O	500 ml	CL01.1956.0500
Phosphate			**NEW**
Phosphate	1.447 g KH2PO4 / l H2O	500 ml	CL01.0617.0500
Phosphate	2.2 g NaNH4HPO4.4H2O / l H2O	500 ml	CL01.0627.0500
Phosphate	1.032 g H3PO4 / l H2O	500 ml	CL01.0625.0500
Silicate			
Silicate	1 g SiO2 / l 0.4% NaOH	500 ml	CL01.1946.0500
Sulfate			
Sulfate	1.479 g Na2SO4 / l H2O	500 ml	CL01.1976.0500

IC Cation Standards Economy

Ammonia			
Ammonia	2.97 g NH4Cl / l H2O	500 ml	CL01.0116.0500
Barium			
Barium	1.779 g BaCl2.2H2O / l H2O	500 ml	CL01.0205.0500
Calcium			
Calcium	3.668 g CaCl2.2H2O / l H2O	500 ml	CL01.0315.0500
Cesium			
Cesium	1.267 g CsCl / l H2O	500 ml	CL01.0335.0500
Lithium			
Lithium	6.108 g LiCl / l H2O	500 ml	CL01.1215.0500
Magnesium			
Magnesium	8.363 g MgCl2.6H2O / l H2O	500 ml	CL01.1305.0500
Potassium			
Potassium	1.907 g KCl / l H2O	500 ml	CL01.1105.0500
Rubidium			
Rubidium	1.415 g RbCl / l H2O	500 ml	CL01.1825.0500
Sodium			
Sodium	2.542 g NaCl / l H2O	500 ml	CL01.1405.0500
Strontium			
Strontium	2.416 g Sr(NO3)2 / l H2O	500 ml	CL01.1965.0500

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

IC Multi Element Standards

Multi Element IC Standard sol. (9E) — NEW — CL01.39071

High quality standard sol. for IC — Contains 9 elements in 0.001 mol/l HNO3 (pH ± 3)

Density 1.01 g/ml
HS Nr 38220000

Ammonium	: 100 mg/l
Barium (Ba)	: 100 mg/l
Calcium (Ca)	: 100 mg/l
Potassium (K)	: 100 mg/l
Lithium (Li)	: 100 mg/l
Magnesium (Mg)	: 100 mg/l
Manganese (Mn)	: 100 mg/l
Sodium (Na)	: 100 mg/l
Strontium (Sr)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.39071.0100	100 ml	PE

Multi Element Standard for Soil Analysis (8E) — NEW — CL01.13002

High quality standard sol. for SF, AAS, ICP, FE, IC — 3Na/3K/10NO3/3NH4/3P/10Mg/50Ca/0.1Fe(g/l)

Mol.Weight 1
Density 1.20 g/ml
HS Nr 38220000

Sodium (Na)	: 3000 mg/l
Potassium (K)	: 3000 mg/l
Nitrate	: 10000 mg/l
Ammonium	: 3000 mg/l
Phosphorus (P)	: 3000 mg/l
Magnesium (Mg)	: 10000 mg/l
Calcium (Ca)	: 50000 mg/l
Iron (Fe)	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13002.0100	100 ml	PE
CL01.13002.0500	500 ml	PE/H

Multi Element IC Standard sol. (7E) — NEW — CL01.13457

High quality standard sol. for IC — Contains 7 elements in H2O (pH ± 9)

Density 1.01 g/ml
HS Nr 38220000

Bromide	: 100 mg/l
Chloride	: 100 mg/l
Fluoride	: 100 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 100 mg/l
Sulfate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13457.0100	100 ml	PE

Multi Element IC Standard sol. (7E) — NEW — CL01.13290

High quality standard sol. for IC Dionex — Contains 7 elements in H2O (pH ± 9)

Density 1.01 g/ml
HS Nr 38220000

Bromide	100 mg/L
Chloride	30 mg/L
Fluoride	20 mg/L
Nitrite	100 mg/L
Nitrate	100 mg/L
Phosphate	150 mg/L
Sulfate	150 mg/L

Art. Nr.	Pack	Pack Type
CL01.13290.0250	250 ml	PE

Multi Element IC Standard sol. (7E) - (ISB-ICAL-10) — NEW — CL01.13436

High quality standard sol. for IC Dionex — Contains 7 elements in H2O (pH ± 9)

Density 1.01 g/ml
HS Nr 38220000

Bromide	: 100 mg/l
Chloride	: 100 mg/l
Fluoride	: 20 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 200 mg/l
Sulfate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13436.0100	100 ml	PE

Multi Element IC Standard sol. IC-MAN-18 (6E) — CL01.13837

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary & Secondary Anions for Ion Chromatography Analysis — Contains 6 element in H2O (IC-MAN-18)

Density 1.02 g/ml
HS Nr 38220000

Fluoride	: 100 mg/l
Chloride	: 100 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 100 mg/l
Sulfate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13837.0100	100 ml	PE
CL01.13837.0500	500 ml	PE/H

IC Multi Element Standards

Multi Element Standard sol. (6E)

NEW CL01.13488

High quality standard sol. for IC Dionex — Contains 6 elements in H2O

Density 1.00 g/ml
HS Nr 38220000

Lithium (Li)	: 50 mg/l
Sodium (Na)	: 200 mg/l
Ammonium	: 250 mg/l
Potassium (K)	: 500 mg/l
Magnesium (Mg)	: 250 mg/l
Calcium (Ca)	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.13488.0100	100 ml	PE
CL01.13488.0500	500 ml	PE/H

Multi Element IC Standard sol. (5E)

NEW CL01.13355

High quality standard sol. for IC Dionex — Contains 5 elements in H2O (pH 8-9)

Density 1.00 g/ml
HS Nr 38220000

Fluoride	: 20 mg/l
Chloride	: 30 mg/l
Nitrate	: 100 mg/l
Phosphate	: 150 mg/l
Sulfate	: 150 mg/l

Art. Nr.	Pack	Pack Type
CL01.13355.0100	100 ml	PE

Multi Element IC Standard sol. (5E)

NEW CL01.39074

High quality standard sol. for IC — Contains 5 elements in H2O (pH ± 6)

Density 1.01 g/ml
HS Nr 38220000

Fluoride	: 100 mg/l
Chloride	: 250 mg/l
Nitrate	: 500 mg/l
Sulfate	: 500 mg/l
Phosphate	: 1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.39074.0500	500 ml	PE/H

Multi Element ICP SP Standard sol. SP-01R (4E)

CL01.13751

*ICP-EPA Methods (Method 200.7 Version 3.3 and earlier) - Spiking Standard for Drinking Water # 1R 200.7-SP-01R) — Contains 4 elements in H2O + traces HF (M-

Density 1.02 g/ml
HS Nr 38220000

Boron (B)	: 400 mg/l
Molybdenum (Mo)	: 200 mg/l
Silicon (Si)	: 2000 mg/l
Phosphorus (P)	: 400 mg/l

Art. Nr.	Pack	Pack Type
CL01.13751.0100	100 ml	PE
CL01.13751.0500	500 ml	PE/H

Multi Element IC Standard sol. IC-MAN-15R (4E)

CL01.13838

*ICP-EPA Methods - Safe Drinking Water Act (SDWA) for Inorg. Anal. - Primary Anions for Ion Chromatography Analysis (IC-MAN-15R) — Contains 4 element in H2O

Density 1.02 g/ml
HS Nr 38220000

Fluoride	: 100 mg/l
Nitrite	: 100 mg/l
Nitrate	: 100 mg/l
Phosphate	: 100 mg/l

Art. Nr.	Pack	Pack Type
CL01.13838.0100	100 ml	PE
CL01.13838.0500	500 ml	PE/H

Multi Element IC Standard sol. (3E)

NEW CL01.39075

High quality standard sol. for IC — Contains 3 elements in H2O (pH ± 6)

Density 1.01 g/ml
HS Nr 38220000

Nitrate	: 500 mg/l
Ammonium	: 500 mg/l
Phosphate	: 500 mg/l

Art. Nr.	Pack	Pack Type
CL01.39075.0500	500 ml	PE/H

Multi Element IC Standard sol. (3E)

NEW CL01.39072

High quality standard sol. for IC — Contains 3 elements in H2O (pH ± 6)

Density 1.01 g/ml
HS Nr 38220000

Fluoride	1000 mg/l
Phosphate	1000 mg/l
Bromide	1000 mg/l

Art. Nr.	Pack	Pack Type
CL01.39072.0500	500 ml	PE/H

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

IC Multi Element Standards

Multi Element IC Standard sol. (3E) — NEW — CL01.39073

High quality standard sol. for IC — Contains 3 elements in H2O (pH ± 6)

Density 1.01 g/ml
HS Nr 38220000

Chloride	1000 mg/L
Nitrate	1000 mg/L
Sulfate	1000 mg/L

Art. Nr.	Pack	Pack Type
CL01.39073.0500	500 ml	PE/H

Multi Element IC Standard sol. (2E) — NEW — CL01.39315

High quality standard sol. for IC, Biodiesel/Diesel analysis acc. ASTM D7328 — Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 1 mg/l
Sulfate	: 1 mg/l

Art. Nr.	Pack	Pack Type
CL01.39315.0100	100 ml	PE

Multi Element IC Standard sol. (2E) — NEW — CL01.39316

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 — Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 3 mg/l
Sulfate	: 3 mg/l

Art. Nr.	Pack	Pack Type
CL01.39316.0100	100 ml	PE

Multi Element IC Standard sol. (2E) — NEW — CL01.39317

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 — Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 5 mg/l
Sulfate	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.39317.0100	100 ml	PE

Multi Element IC Standard sol. (2E) — NEW — CL01.39318

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 — Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 10 mg/l
Sulfate	: 10 mg/l

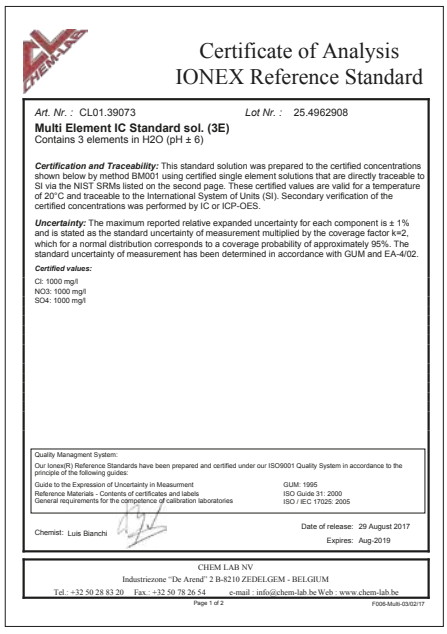
Art. Nr.	Pack	Pack Type
CL01.39318.0100	100 ml	PE

Multi Element ICP Blank sol. (CLP-BLW) — CL01.13993

*ICP-EPA-CLP Methods - Calibration & Matrix Blanks - ASTM Type II Water — ASTM Type II Water

Density 1.00 g/ml
HS Nr 38220000

Art. Nr.	Pack	Pack Type
CL01.13993.1000	1 l	PE/H
CL01.13993.2500	2,5 l	PE/H



Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL01.39073 *Lot Nr. :* 25.4962908

Multi Element IC Standard sol. (3E)
Contains 3 elements in H2O (pH ± 6)

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001 using certified single element solutions that are directly traceable to SI via the NIST SRMs listed on the second page. These certified values are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by IC or ICP-OES.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 1% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Certified values:
Cl: 1000 mg/l
NO3: 1000 mg/l
SO4: 1000 mg/l

Quality Managment System:
Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principle of the following guides:

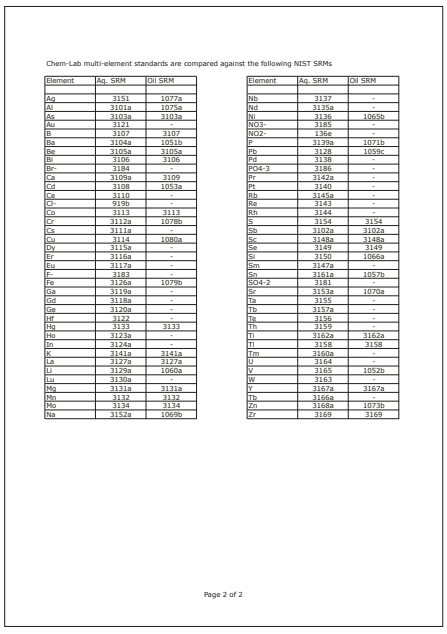
Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025: 2005

Chemist: Luis Bianchi

Date of release: 29 August 2017
Expires: Aug-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Page 1 of 2 F006-Multi-03/02/17



Chem-Lab multi-element standards are compared against the following NIST SRMs

Element	Aq. SRM	Oil SRM
Ag	3151	1077a
Al	3101a	1075a
As	3103a	3103a
Au	3121	-
B	3107	3107
Ba	3104a	1051b
Be	3105a	3105a
Bi	3106	3106
Br-	3184	-
Ca	3109a	3109
Cd	3108	1053a
Ce	3110	-
Cl-	919b	-
Co	3113	3113
Cr	3112a	1078b
Cs	3111a	-
Cu	3114	1080a
Dy	3115a	-
Er	3116a	-
Eu	3117a	-
F-	3183	-
Fe	3126a	1079b
Ga	3119a	-
Gd	3118a	-
Ge	3120a	-
Hf	3122	-
Hg	3133	3133
Ho	3123a	-
In	3124a	-
K	3141a	3141a
La	3127a	3127a
Li	3129a	1060a
Lu	3130a	-
Mg	3131a	3131a
Mn	3132	3132
Mo	3134	3134
Na	3152a	1069b

Element	Aq. SRM	Oil SRM
Nb	3137	-
Nd	3135a	-
Ni	3136	1065b
NO3-	3185	-
NO2-	136e	-
P	3139a	1071b
Pb	3128	1059c
Pd	3138	-
PO4-3	3186	-
Pr	3142a	-
Pt	3140	-
Rb	3145a	-
Re	3143	-
Rh	3144	-
S	3154	3154
Sb	3102a	3102a
Sc	3148a	3148a
Se	3149	3149
Si	3150	1066a
Sm	3147a	-
Sn	3161a	1057b
SO4-2	3181	-
Sr	3153a	1070a
Ta	3155	-
Tb	3157a	-
Te	3156	-
Th	3159	-
Ti	3162a	3162a
Tl	3158	3158
Tm	3160a	-
U	3164	-
V	3165	1052b
W	3163	-
Y	3167a	3167a
Yb	3166a	-
Zn	3168a	1073b
Zr	3169	3169

Page 2 of 2

Eluent Solutions for IC

Sodium carbonate 0.5 mol/l — NEW — CL05.1488

Eluent solution for IC (0.45 µm filtered) — 53 g Na2CO3 / l H2O ± 1 N (± 1%)

Mol.Weight 105.99 g/mol
Density 1.03 g/ml
CasNr 497-19-8
EINECS 207-838-8
HS Nr 28362000

Art. Nr.	Pack	Pack Type
CL05.1488.0500	500 ml	PE

Sodium carbonate 0.1 mol/l — NEW — CL05.1461

Eluent solution for IC (0.45 µm filtered) — 10.6 g Na2CO3 / l H2O ± 0.2 N (± 1%)

Mol.Weight 105.99 g/mol
Density 1.01 g/ml
CasNr 497-19-8
EINECS 207-838-8
HS Nr 28362000

Art. Nr.	Pack	Pack Type
CL05.1461.0500	500 ml	PE
CL05.1461.1000	1 l	PE

Sodium carbonate 0.35 mol/l-Sodium bicarbonate 0.17 mol/l — NEW — CL05.4030

Eluent solution for IC (0.45 µm filtered) — 37.096 g Na2CO3 + 14.282 g NaHCO3 / l H2O (± 1%)

Density 1.00 g/ml
HS Nr 38220000

Art. Nr.	Pack	Pack Type
CL05.4030.0500	500 ml	PE

Sodium carbonate 0.18 mol/l-Sodium bicarbonate 0.17 mol/l — NEW — CL05.4024

Eluent solution for IC (0.45 µm filtered) — 19.078 g Na2CO3 + 14.282 g NaHCO3 / l H2O (± 1%)

Density 1.00 g/ml
HS Nr 38220000

Art. Nr.	Pack	Pack Type
CL05.4024.0500	500 ml	PE

Sodium hydrogen carbonate 0.5 mol/l — NEW — CL05.4005

Eluent solution for IC (0.45 µm filtered) — 42.005 g NaHCO3 / l H2O ± 0.5 N (± 1%)

Mol.Weight 84.01 g/mol
Density 1.02 g/ml
CasNr 144-55-8
EINECS 205-633-8
HS Nr 28363000

Art. Nr.	Pack	Pack Type
CL05.4005.0500	500 ml	PE

Sodium hydroxide 0.4 g/l solution — CL02.1449

Eluent solution for IC (0.45 µm filtered) — 0.4 g NaOH / l H2O

Mol.Weight 40.00 g/mol
Density 1.15 g/ml
CasNr 1310-73-2
EINECS 215-185-5
HS Nr 28151200
UN 1824
ADR 8,III
IATA 8,III
IMDG 8,III

Art. Nr.	Pack	Pack Type
CL02.1449.1000	1 l	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Water, High Purity ICP-MS grade (Pico-Pure Plus)

NEW CL02.2107

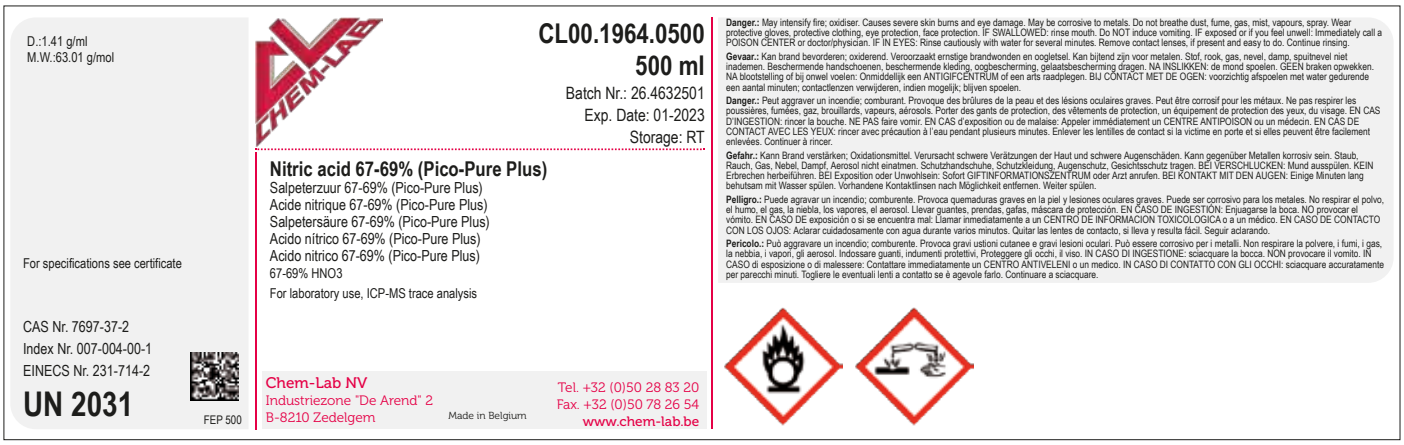
For laboratory use, ICP-MS trace analysis

H2O - LF < 1 µS - 0.2 µm filtrated (ppt range HM traces)

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Colour	<10APHA
Chloride	<1ppt
Phosphate	<1ppt
Sulfite	<1ppt
Aluminium (Al)	<20ppt
Antimony (Sb)	<10ppt
Arsenic (As)	<10ppt
Barium (Ba)	<10ppt
Beryllium (Be)	<10ppt
Bismuth (Bi)	<10ppt
Boron (B)	<20ppt
Cadmium (Cd)	<10ppt
Calcium (Ca)	<10ppt
Cerium (Ce)	<10ppt
Caesium (Cs)	<10ppt
Chromium (Cr)	<10ppt
Cobalt (Co)	<10ppt
Copper (Cu)	<10ppt
Dysprosium (Dy)	<1ppt
Erbium (Er)	<1ppt
Europium (Eu)	<1ppt
Gadolinium (Gd)	<1ppt
Gallium (Ga)	<10ppt
Germanium (Ge)	<10ppt
Gold (Au)	<10ppt
Hafnium (Hf)	<1ppt
Holmium (Ho)	<1ppt
Indium (In)	<1ppt
Iron (Fe)	<10ppt
Lanthanum (La)	<1ppt
Lead (Pb)	<10ppt
Lithium (Li)	<10ppt
Lutetium (Lu)	<1ppt
Magnesium (Mg)	<10ppt
Manganese (Mn)	<10ppt
Mercury (Hg)	<20ppt
Molybdenum (Mo)	<10ppt
Neodymium (Nd)	<1ppt
Nickel (Ni)	<10ppt
Niobium (Nb)	<10ppt
Palladium (Pd)	<10ppt
Platinum (Pt)	<10ppt
Potassium (K)	<10ppt
Praseodymium (Pr)	<10ppt
Rhenium (Re)	<10ppt
Rhodium (Rh)	<10ppt
Rubidium (Rb)	<10ppt
Ruthenium (Ru)	<10ppt
Samarium (Sm)	<10ppt
Scandium (Sc)	<10ppt
Selenium (Se)	<50ppt
Silver (Ag)	<10ppt
Sodium (Na)	<10ppt
Strontium (Sr)	<10ppt
Tantalum (Ta)	<10ppt
Tellurium (Te)	<1ppt
Terbium (Tb)	<10ppt
Thallium (Tl)	<10ppt
Thorium (Th)	<1ppt
Thulium (Tm)	<10ppt
Tin (Sn)	<10ppt
Titanium (Ti)	<10ppt
Tungsten (W)	<10ppt
Uranium (U)	<1ppt
Vanadium (V)	<10ppt
Ytterbium (Yb)	<10ppt
Yttrium (Y)	<1ppt
Zinc (Zn)	<10ppt
Zirconium (Zr)	<10ppt

Art. Nr.	Pack	Pack Type
CL02.2107.1000	1 l	LDPE



D.:1.41 g/ml
M.W.:63.01 g/mol

For specifications see certificate

CAS Nr. 7697-37-2
Index Nr. 007-004-00-1
EINECS Nr. 231-714-2

UN 2031

FEP 500

CL00.1964.0500
500 ml
Batch Nr.: 26.4632501
Exp. Date: 01-2023
Storage: RT

Nitric acid 67-69% (Pico-Pure Plus)
Salpeterzuur 67-69% (Pico-Pure Plus)
Acide nitrique 67-69% (Pico-Pure Plus)
Salpetersäure 67-69% (Pico-Pure Plus)
Acido nítrico 67-69% (Pico-Pure Plus)
Acido nitrico 67-69% (Pico-Pure Plus)
67-69% HNO3
For laboratory use, ICP-MS trace analysis

Chem-Lab NV
Industriezone "De Arend" 2
B-8210 Zedelgem
Made in Belgium
Tel. +32 (0)50 28 83 20
Fax. +32 (0)50 78 26 54
www.chem-lab.be

Danger.: May intensify fire; oxidiser. Causes severe skin burns and eye damage. May be corrosive to metals. Do not breathe dust, fume, gas, mist, vapours, spray. Wear protective gloves, protective clothing, eye protection, face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Gevaar.: Kan brand bevorderen; oxiderend. Veroorzaakt ernstige brandwonden en oogletsel. Kan bijtend zijn voor metalen. Stof, rook, gas, nevel, damp, spuitnevel niet inademen. Beschermende handschoenen, beschermende kleding, oogbescherming, gelaatsbescherming dragen. NA INSLIKKEN: de mond spoelen. GEEN braken opwekken. NA blootstelling of bij onwel voelen: Onmiddellijk een ANTIGIFCENTRUM of een arts raadplegen. BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.

Danger.: Peut aggraver un incendie; comburant. Provoque des brûlures de la peau et des lésions oculaires graves. Peut être corrosif pour les métaux. Ne pas respirer les poussières, fumées, gaz, brouillards, vapeurs, aérosols. Porter des gants de protection, des vêtements de protection, un équipement de protection des yeux, du visage. EN CAS D'INGESTION: rincer la bouche. NE PAS faire vomir. EN CAS d'exposition ou de malaise: Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

Gefahr.: Kann Brand verstärken; Oxidationsmittel. Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Kann gegenüber Metallen korrosiv sein. Staub, Rauch, Gas, Nebel, Dampf, Aerosol nicht einatmen. Schutzhandschuhe, Schutzkleidung, Augenschutz, Geschtsschutz tragen. BEI VERSCHLUCKEN: Mund ausspülen. KEIN Erbrechen herbeiführen. BEI Exposition oder Unwohlsein: Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

Pelligro.: Puede agravar un incendio; comburente. Provoca quemaduras graves en la piel y lesiones oculares graves. Puede ser corrosivo para los metales. No respirar el polvo, el humo, el gas, la niebla, los vapores, el aerosol. Llevar guantes, prendas, gafas, máscara de protección. EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito. EN CASO DE exposición o si se encuentra mal: Llamar inmediatamente a un CENTRO DE INFORMACION TOXICOLOGICA o a un médico. EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

Pericolo.: Può aggravare un incendio; comburente. Provoca gravi ustioni cutanee e gravi lesioni oculari. Può essere corrosivo per i metalli. Non respirare la polvere, i fumi, i gas, la nebbia, i vapori, gli aerosol. Indossare guanti, indumenti protettivi, Proteggere gli occhi, il viso. IN CASO DI INGESTIONE: sciacquare la bocca. NON provocare il vomito. IN CASO di esposizione o di malessere: Contattare immediatamente un CENTRO ANTIVELENI o un medico. IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

Water for Inorganic Analysis Methods

Water (ultra pure) — CL02.2101

For laboratory use, AAS and ICP, ASTM D-94, D-129 H2O - LF < 1 µS - 0.4 µm, UV filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	< 1 ppm
Chloride	< 0.05 ppm
Fluoride	< 0.05 ppm
Nitrate	< 0.01 ppm
Phosphate	< 0.01 ppm
Silicate	<0.01 ppm
Sulfate	<0.1 ppm
Silver (Ag)	<0.0004 ppm
Aluminium (Al)	<0.002 ppm
Arsenic (As)	<0.002 ppm
Gold (Au)	<0.001 ppm
Boron (B)	<0.005 ppm
Barium (Ba)	<0.001 ppm
Beryllium (Be)	<0.002 ppm
Bismuth (Bi)	<0.001 ppm
Calcium (Ca)	<0.005 ppm
Cadmium (Cd)	<0.001 ppm
Cobalt (Co)	<0.001 ppm
Chromium (Cr)	<0.0004 ppm
Copper (Cu)	<0.0004 ppm
Iron (Fe)	<0.001 ppm
Potassium (K)	<0.005 ppm
Lithium (Li)	<0.002 ppm
Magnesium (Mg)	<0.005 ppm
Manganese (Mn)	<0.0004 ppm
Molybdenum (Mo)	<0.002 ppm

Sodium (Na)	<0.01 ppm
Nickel (Ni)	<0.0004 ppm
Lead (Pb)	<0.001 ppm
Palladium (Pd)	<0.008 ppm
Platinum (Pt)	<0.001 ppm
Antimony (Sb)	<0.001 ppm
Selenium (Se)	<0.0001 ppm
Tin (Sn)	<0.001 ppm
Strontium (Sr)	<0.0004 ppm
Titanium (Ti)	<0.001 ppm
Thallium (Tl)	<0.00005 ppm
Vanadium (V)	<0.001 ppm
Zinc (Zn)	<0.004 ppm
Zirconium (Zr)	<0.001 ppm

Art. Nr.	Pack	Pack Type
CL02.2101.5000	5 l	PE
CL02.2101.9010	10 l	PE
CL02.2101.9025	25 l	PE
CL02.2101.9520	20 l	EP

Water, IC grade — NEW CL02.2115

For laboratory use & Ion Chromatography H2O - LF < 2 µS - 0.2 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<5ppm
Conductivity	<2µS
Acetate	<10 µg/l
Formate	<10 µg/l
Glycolate	<10 µg/l
Oxalate	<10 µg/l
Bromate	<1 µg/l
Bromide	<1 µg/l
Chlorate	<1 µg/l
Chloride	<1 µg/l
Fluoride	<1 µg/l
Iodide (I)	<1 µg/l
Nitrate	<1 µg/l
Nitrite	<1 µg/l
Phosphate	<1 µg/l
Sulfate	<1 µg/l
Aluminium (Al)	<0.005µg/l
Barium (Ba)	<0.005µg/l
Bismuth (Bi)	<0.005µg/l
Calcium (Ca)	<0.01µg/l
Cadmium (Cd)	<0.005µg/l
Cobalt (Co)	<0.005µg/l

Chromium (Cr)	<0.005µg/l
Copper (Cu)	<0.005µg/l
Iron (Fe)	<0.005µg/l
Potassium (K)	<0.01µg/l
Lithium (Li)	<0.005µg/l
Magnesium (Mg)	<0.005µg/l
Manganese (Mn)	<0.005µg/l
Molybdenum (Mo)	<0.005µg/l
Ammonia	<0.01µg/l
Sodium (Na)	<0.01µg/l
Nickel (Ni)	<0.005µg/l
Lead (Pb)	<0.005µg/l
Strontium (Sr)	<0.005µg/l

Art. Nr.	Pack	Pack Type
CL02.2115.5000	5 l	FL/HDPE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Water for Inorganic Analysis Methods

Water (double distilled pyrogen free) CL02.0208

For laboratory use H2O - LF < 5 µS

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Art. Nr.	Pack	Pack Type
CL02.0208.5000	5 l	PE
CL02.0208.9010	10 l	PE

Water Demineralised CL02.2102

For laboratory use H2O - LF < 5 µS

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	< 5 ppm

Art. Nr.	Pack	Pack Type
CL02.2102.9010	10 l	PE
CL02.2102.9025	25 l	PE

Batch Certificate
IONEX Reference Standard

531-CAL

Art. Nr. : CL40.0210 *Lot Nr. :* 25.0130311

Benzene standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 2% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	Certified values
Benzene	71-43-2	99,9	STBF5253V	101 µg/mL

Chemist: Luis Bianchi

Date of release: 03 November 2017

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F117-Organic-03/02/2017

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.0210 *Lot Nr. :* 25.0130311

Benzene standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 2% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	STBF5253V	101 µg/mL

Quality Management System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurement	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 03 November 2017

Expires: Nov-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F006-Organic-3/02/17

2

2 Organic Standards


Benzene standard solution
Pack: 1 ml

2.1

2 Organic Standards

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ADBI (Celestolide) standard solution			
13171-00-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0184.0001
AHMI (Phantolide) standard solution			
15323-35-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0185.0001
AHTN (Tonalide) standard solution			
1506-02-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0186.0001
ATII (Traseolide) standard solution			
68140-48-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0111.0001
Abamectin standard solution			
71751-41-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0169.0001
Acenaphthene standard solution			
83-32-9	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0101.0001 CL40.0101.0005
83-32-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0102.0001 CL40.0102.0005
Acenaphthene-D10 standard solution			
15067-26-2	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0103.0001 CL40.0103.0005
Acenaphthylene standard solution			
208-96- 8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0104.0001 CL40.0104.0005
Acenaphthylene standard solution			
208-96-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0105.0001 CL40.0105.0005
Acephate standard solution			
30560-19-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0170.0001
Acequinocyl standard solution			
57960-19-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0171.0001
Acequinocyl-hydroxy standard solution			
57960-31-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0172.0001
Acetaldehyde standard solution			**NEW**
75-07-0	Solution contains 1000 mg/l in de-inoized Water	2 ml	CL41.0145.0002
75-07-0	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.0139.0001
75-07-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml	CL41.0144.0001
75-07-0	Solution contains 1000 µg/ml in Toluene	1 ml	CL41.0140.0001
75-07-0	Solution contains 200 µg/ml in Toluene	1 ml	CL41.0141.0001
75-07-0	Solution contains 100 µg/ml in Toluene	1 ml	CL41.0142.0001
75-07-0	Solution contains 20 µg/ml in Toluene	1 ml	CL41.0143.0001
Acetaldehyde-D4 standard solution			**NEW**
1632-89-9	Solution contains 2000 µg/ml in Toluene	5 ml	CL41.0137.0005

Single Component Standards

2-Acetamidofluorene standard solution

53-96-3	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0106.0001 CL40.0106.0005

Acetamiprid standard solution NEW

135410-20-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0136.0001

Acetamiprid-N-desmethyl standard solution

190604-92-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0173.0001

Acethion standard solution

919-54-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0174.0001

Acetic acid-isopropyl ester standard solution

108-21-4	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0176.0001

Acetic acid-tert-butyl ester standard solution

540-88-5	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0175.0001

Acetochlor standard solution

34256-82-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0177.0001

Acetone standard solution NEW

67-64-1	Solution contains 100000 µg/ml in 1-Butanol	1 ml	CL40.0168.0001
67-64-1	Solution contains 50000 µg/ml in 1-Butanol	1 ml	CL40.0162.0001
67-64-1	Solution contains 10000 µg/ml in 1-Butanol	1 ml	CL40.0163.0001
67-64-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0107.0001 CL40.0107.0005
67-64-1	Solution contains 5000 µg/ml in 1-Butanol	1 ml	CL40.0164.0001
67-64-1	Solution contains 1000 µg/ml in 1-Butanol	1 ml	CL40.0165.0001
67-64-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0108.0001 CL40.0108.0005
67-64-1	Solution contains 100 µg/ml in 1-Butanol	1 ml	CL40.0167.0001

Acetonitrile standard solution

75-05-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0109.0001 CL40.0109.0005

p-Acetophenetidide standard solution

62-44-2	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0110.0001 CL40.0110.0005

Acetophenone standard solution

98-86-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0111.0001 CL40.0111.0005
98-86-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0112.0001 CL40.0112.0005

Acifluorfen standard solution

50594-66-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0113.0001 CL40.0113.0005

Aclonifen standard solution

74070-46-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0178.0001

Acrinathrin standard solution			
101007-06-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0179.0001
Acrolein standard solution			
107-02-8	Solution contains 100 µg/ml in Acetone - Keep at -20°C	1 ml	CL40.0180.0001
Acrylic acid-butyl ester standard solution			
141-32-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0181.0001
Acrylic acid-2-ethylhexyl ester standard solution			
103-11-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0183.0001
Acrylonitrile standard solution			
107-13-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0114.0001 CL40.0114.0005
107-13-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0116.0001 CL40.0116.0005
Alachlor standard solution			
15972-60-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0118.0001 CL40.0118.0005
15972-60-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0119.0001 CL40.0119.0005
Alachlor-2-hydroxy standard solution			
56681-55-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0187.0001
Alanycarb standard solution			
83130-01-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0188.0001
Aldicarb standard solution			
116-06-3	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0120.0001 CL40.0120.0005
Aldicarb-oxime standard solution			
1646-75-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0189.0001
Aldicarb sulfone standard solution			
1646-88-4	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0121.0001 CL40.0121.0005
Aldicarb sulfoxide standard solution			
1646-87-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0122.0001 CL40.0122.0005
4-Allylanisole standard solution			
140-67-0	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0190.0001
Allyl chloride standard solution			
107-05-1	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0191.0001
Ametryne standard solution			
834-12-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0125.0001 CL40.0125.0005
Amidithion standard solution			
919-76-6	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL40.0192.0001

4-Aminoazobenzene standard solution			
60-09-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0193.0001
4-Aminobiphenyl-D9 standard solution			
344298-96-0	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0194.0001
2-Amino-4,6-bis(ethylamino)-1,3,5-triazine standard solution			
5606-16-6	Solution contains 10 mg/ml in Acetonitrile	1 ml	CL40.0195.0001
Aminocarb standard solution			
2032-59-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0126.0001 CL40.0126.0005
2-Amino-4-chlorophenol standard solution			
95-85-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0196.0001
o-Aminoazotoluene standard solution			
97-56-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0197.0001
4-Amino-2,6-dinitrotoluene standard solution			
19406-51-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0128.0001 CL40.0128.0005
2-Amino-4,6-dinitrotoluene standard solution			
35572-78-2	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0127.0001 CL40.0127.0005
1-Aminohydantoin hydrochloride standard solution			
2827-56-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0198.0001
Aminomethyl phosphonic acid (AMPA) standard solution			
1066-51-9	Solution contains 100 µg/ml in Water	1 ml	CL40.0199.0001
2-Aminonaphthalene-D7 standard solution			
93951-94-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0101.0001
3-Amino-5-phenyl-1,2,4-triazole standard solution			
4922-98-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0102.0001
Aminopyralid standard solution			
150114-71-9	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0103.0001
Amitraz standard solution			
33089-61-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0104.0001
5-α−Androstane standard solution			**NEW**
438-22-2	Solution contains 10000 µg/ml in Dichloromethane	1 ml	CL41.0134.0001
438-22-2	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0132.0001
Anilazine standard solution			
101-05-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0105.0001
Aniline standard solution			
62-53-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0129.0001 CL40.0129.0005

Aniline standard solution

4165-61-1	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0106.0001

2-Anisidine standard solution

90-04-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0107.0001

Anthracene standard solution

120-12-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0130.0001 CL40.0130.0005

Anthranilic acid isopropylamide standard solution

30391-89-0	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL41.0108.0001

Anthraquinone standard solution

84-65-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0109.0001

Aramite standard solution

140-57-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0131.0001 CL40.0131.0005

Aroclor 1016 standard solution

12674-11-2	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0160.0001
12674-11-2	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0133.0001 CL40.0133.0005
12674-11-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0132.0001 CL40.0132.0005

Aroclor 1221 standard solution

11104-28-2	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0156.0001
11104-28-2	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0134.0001 CL40.0134.0005
11104-28-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0135.0001 CL40.0135.0005

Aroclor 1232 standard solution

11141-16-5	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0157.0001
11141-16-5	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0136.0001 CL40.0136.0005
11141-16-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0137.0001 CL40.0137.0005

Aroclor 1242 standard solution

53469-21-9	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0154.0001
53469-21-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0138.0001 CL40.0138.0005

Aroclor 1248 standard solution

12672-29-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0158.0001
12672-29-6	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0139.0001 CL40.0139.0005
12672-29-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0140.0001 CL40.0140.0005

Single Component Standards

Aroclor 1254 standard solution

11097-69-1	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0155.0001
11097-69-1	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0141.0001 CL40.0141.0005
11097-69-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0142.0001 CL40.0142.0005

Aroclor 1260 standard solution

11096-82-5	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0159.0001
11096-82-5	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0143.0001 CL40.0143.0005
11096-82-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0144.0001 CL40.0144.0005

Aroclor 1262 standard solution

37324-23-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0145.0001 CL40.0145.0005

Aroclor 1268 standard solution

11100-14-4	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0146.0001 CL40.0146.0005
11100-14-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0147.0001 CL40.0147.0005

Aroclor 5442 standard solution

12642-23-8	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL40.0100.0001

Aspon® standard solution

3244-90-4	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0148.0001 CL40.0148.0005

Asulam standard solution

3337-71-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0149.0001 CL40.0149.0005

Athidathion standard solution

19691-80-6	Solution contains 10 µg/ml in iso-Octane	1 ml	CL41.0110.0001

Atraton standard solution

1610-17-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0150.0001 CL40.0150.0005

Atrazine standard solution

1912-24-9	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0151.0001 CL40.0151.0005
1912-24-9	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0161.0001 CL40.0161.0005
1912-24-9	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0135.0001

13C-Atrazine standard solution

	Solution contains 100 µg/ml in n-Nonane	1 ml	CL40.0153.0001

Atrazine-D5 (ethylamino-D5) standard solution

163165-75-1	Solution contains 1000 µg/ml in Acetonitrile	1 ml	CL41.0112.0001
163165-75-1	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0138.0001

Atrazine-desethyl standard solution			
6190-65-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0113.0001
Atrazine-desethyl-desisopropyl standard solution			
3397-62-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0114.0001
Atrazine-desethyl-desisopropyl-2-hydroxy standard solution			
645-92-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0115.0001
Atrazine-desethyl-2-hydroxy standard solution			
19988-24-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0125.0001
Atrazine-desisopropyl standard solution			
1007-28-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0116.0001
Atrazine-desisopropyl-2-hydroxy standard solution			
7313-54-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0117.0001
Atrazine-2-hydroxy standard solution			
2163-68-0	Solution contains 100 µg/ml in Methanol/Sonicate	1 ml	CL41.0118.0001
Atrazine-mercapturate standard solution			
138722-96-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0119.0001
Azadirachtin standard solution			
11141-17-6	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0120.0001
Azaperol standard solution			
2804-05-9	Solution contains 10 µg/ml in Methanol	1 ml	CL41.0121.0001
Azaperone standard solution			
1649-18-9	Solution contains 10 µg/ml in Methanol	1 ml	CL41.0122.0001
Aziprotryne standard solution			
4658-28-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0124.0001
Azobenzene standard solution			
103-33-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0152.0001 CL40.0152.0005
Azoxystrobin standard solution			**NEW**
131860-33-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0126.0001
131860-33-8	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL41.0129.0002
BDE 47 standard solution			
5436-43-1	Solution contains 50 µg/ml in iso-Octane	1 ml	CL40.0278.0001
BDMC standard solution			
3766-81-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0204.0001 CL40.0204.0005

Tailor Made Mixtures can be formulated to meet your special applications.

alpha-BHC (Lindane) standard solution

319-84-6	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0264.0001
319-84-6	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0224.0001 CL40.0224.0005
319-84-6	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.0268.0001
319-84-6	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0888.0002

beta-BCH (Lindane) standard solution NEW

319-85-7	Solution contains 1000 µg/ml in Acetone	1 ml	CL41.0265.0001
319-85-7	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0225.0001 CL40.0225.0005
319-85-7	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.0269.0001
319-85-7	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0889.0002

delta-BCH (Lindane) standard solution

319-86-8	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0226.0001 CL40.0226.0005
319-86-8	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.0270.0001

gamma-BHC (Lindane) standard solution

58-89-9	Solution contains 2000 µg/ml in Toluene	1 ml	CL40.0265.0001
58-89-9	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0704.0001
58-89-9	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0227.0001 CL40.0227.0005
58-89-9	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0890.0002

Barban standard solution

101-27-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0201.0001 CL40.0201.0005

Baygon® (Propoxur) standard solution

114-26-1	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0202.0001 CL40.0202.0005

Baythroid® standard solution

68359-37-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0203.0001 CL40.0203.0005

Beam® standard solution

41814-78-2	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0205.0001 CL40.0205.0005

Benalaxyl standard solution

71626-11-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0292.0001

Benazolin standard solution

3813-05-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0293.0001

Benazolin-methyl ester standard solution

39205-60-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0294.0001

Bendiocarb standard solution

22781-23-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0295.0001

Benfuracarb standard solution			
82560-54-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0296.0001
Benomyl standard solution			**NEW**
17804-35-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0271.0001
Bentazone standard solution			
25057-89-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0206.0001 CL40.0206.0005
Bentazone-8-hydroxy standard solution			
60374-43-8	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0297.0001
Bentazone-methyl standard solution			
61592-45-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0298.0001
Benthiavalicarb-isopropyl standard solution			
177406-68-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0299.0001
Benzaldehyde standard solution			
100-52-7	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0201.0001
Benzene standard solution			
71-43-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0209.0001 CL40.0209.0005
71-43-2	Solution contains 100 µg/ml in de-inoized Water	5 ml	CL40.0277.0005
71-43-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0210.0001 CL40.0210.0005
71-43-2	Solution contains 100 µg/ml in Glyceryl triacetate	100 ml	CL41.0292.0100
Benzene-D6 standard solution			
1076-43-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0202.0001
1076-43-3	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.0280.0001
Benzenesulfonamide standard solution			
98-10-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0203.0001
Benzidine standard solution			
92-87-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0211.0001 CL40.0211.0005
92-87-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0212.0001 CL40.0212.0005
Benzo(a)anthracene standard solution			
56-55-3	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0207.0001 CL40.0207.0005
56-55-3	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0266.0001 CL40.0266.0005
56-55-3	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0208.0001 CL40.0208.0005
Benzo(a)anthracene-D12 standard solution			**NEW**
1718-53-2	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL41.0290.0001
1718-53-2	Solution contains 10 µg/ml in Cyclohexane	10 ml	CL41.0284.0010

Benzo(b)chrysene standard solution

214-17-5	Solution contains 100 µg/ml in Toluene	1 ml	CL41.0276.0001

Benzofenap standard solution

82692-44-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0204.0001

Benzo(b)fluoranthene standard solution

205-99-2	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0213.0001 CL40.0213.0005
205-99-2	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0268.0001 CL40.0268.0005
205-99-2	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0214.0001 CL40.0214.0005

Benzo(j)fluoranthene standard solution

205-82-3	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0267.0001 CL40.0267.0005

Benzo(k)fluoranthene standard solution

207-08-9	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0215.0001 CL40.0215.0005
207-08-9	Solution contains 1000 µg/ml in Acetonitrile - Sonicate	1 ml 5 ml	CL40.0269.0001 CL40.0269.0005
207-08-9	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0216.0001 CL40.0216.0005

Benzoic acid standard solution

65-85-0	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0217.0001 CL40.0217.0005

1,12-Benzoperylene standard solution

191-24-2	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0218.0001 CL40.0218.0005
191-24-2	Solution contains 200 µg/ml in Dichloromethane	1 ml	CL41.0273.0001

Benzo(g,h,i)perylene-D12 standard solution NEW

93951-66-7	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL41.0289.0001
93951-66-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.0274.0001

Benzo(e)pyrene standard solution

192-97-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0200.0001

Benzo(a)pyrene standard solution

50-32-8	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0219.0001 CL40.0219.0005
50-32-8	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0270.0001 CL40.0270.0005
50-32-8	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0220.0001 CL40.0220.0005

Benzo(a)pyrene-D12 standard solution NEW

63466-71-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0291.0001
63466-71-7	Solution contains 10 µg/ml in Cyclohexane	10 ml	CL41.0283.0010

Benzoximate standard solution

29104-30-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0206.0001

Benzoylprop ethyl standard solution			
33878-50-1	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0221.0001 CL40.0221.0005
Benzyl alcohol standard solution			
100-51-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0222.0001 CL40.0222.0005
Benzyl benzoate standard solution			
120-51-4	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.0275.0001
120-51-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0205.0001
Benzyl chloride standard solution			
98-87-3	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0484.0001 CL40.0484.0005
98-87-3	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0223.0001 CL40.0223.0005
Bifenthrin standard solution			
82657-04-3	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.0207.0001
82657-04-3	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL41.0277.0002
Bifenthrin-alcohol metabolite standard solution			
76350-90-8	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0208.0001
S-Bioallethrin standard solution			
28434-00-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0209.0001
Biphenol A standard solution			
80-05-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0260.0001
Biphenyl standard solution			
92-52-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0210.0001
92-52-4	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.0261.0002
Bis-(2-chloroethoxy)-methane standard solution			
111-91-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0211.0001
Bis(2-chloroethyl)ether standard solution			
111-44-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0228.0001 CL40.0228.0005
111-44-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0229.0001 CL40.0229.0005
Bis(2-chloroisopropyl)ether standard solution			
108-60-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0230.0001 CL40.0230.0005
108-60-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0231.0001 CL40.0231.0005
Bis(2-ethylhexyl)adipate standard solution			
103-23-1	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0234.0001 CL40.0234.0005

Bis(2-ethylhexyl)phthalate standard solution

117-81-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0232.0001 CL40.0232.0005
117-81-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0233.0001 CL40.0233.0005

Bis(4-methyl-2-pentyl)phthalate standard solution

146-50-9	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0235.0001 CL40.0235.0005

Bitertanol standard solution

55179-31-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0212.0001

Bithionol standard solution

97-18-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0213.0001

Boldenone standard solution

846-48-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0214.0001

Boldenone 17-acetate standard solution

2363-59-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0215.0001

Bromacil standard solution

314-40-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0236.0001 CL40.0236.0005

Bromadiolone standard solution

28772-56-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0216.0001

Brombuterol hydrochloride standard solution

41937-02-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0217.0001

Bromethalin standard solution

63333-35-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0218.0001

Bromfenvinfos-methyl standard solution

13104-21-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0219.0001

2-Bromoacetamide standard solution NEW

683-57-8	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0279.0001

Bromoacetic acid standard solution

79-08-3	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0237.0001 CL40.0237.0005

Bromoacetic acid-methyl ester standard solution

96-32-2	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0220.0001

Bromoacetone standard solution

598-31-2	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0221.0001

4-Bromoaniline standard solution

106-40-1	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.0222.0001

Bromobenzene standard solution

108-86-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0238.0001 CL40.0238.0005
108-86-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0239.0001 CL40.0239.0005

2-Bromobutanoic acid standard solution

80-58-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0276.0001

Bromobutide standard solution

74712-19-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0223.0001

Bromobutide debromation form standard solution

75463-73-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0224.0001

Bromochloroacetic acid standard solution

5589-96-8	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0225.0001

Bromochloroacetic acid-methyl ester standard solution

20428-74-4	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0226.0001

Bromochloroacetonitrile standard solution

83463-62-1	Solution contains 1000 µg/ml in Acetone	1 ml	CL40.0275.0001
83463-62-1	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0241.0001 CL40.0241.0005

2-Bromochlorobenzene standard solution

694-80-4	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0227.0001

1-Bromo-4-chlorobenzene standard solution

106-39-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0242.0001 CL40.0242.0005

Bromochlorodifluoromethane standard solution

353-59-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0228.0001

Bromochloromethane standard solution

74-97-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0243.0001 CL40.0243.0005
74-97-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0244.0001 CL40.0244.0005

2-Bromo-1-chloropropane standard solution

3017-95-6	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0245.0001 CL40.0245.0005

(+)-Bromocyclen standard solution

158593-05-6	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0229.0001

(-)-Bromocyclen standard solution

158649-45-7	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0230.0001

Bromodichloroacetic acid standard solution

71133-14-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0246.0001 CL40.0246.0005

Bromodichloroacetic acid-methyl ester standard solution			
20428-76-6	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0231.0001
Bromodichloromethane standard solution			
75-27-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0247.0001 CL40.0247.0005
75-27-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0248.0001 CL40.0248.0005
Bromoethane standard solution			
74-96-4	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.0232.0001
4-Bromofluorobenzene standard solution			
460-00-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0249.0001 CL40.0249.0005
Bromoform standard solution			
75-25-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0250.0001 CL40.0250.0005
75-25-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0251.0001 CL40.0251.0005
Bromomethane standard solution			
74-83-9	Solution contains 100 µg/ml in Methanol - Keep at -20°C	1 ml	CL41.0233.0001
1-Bromo-2-nitrobenzene standard solution			
577-19-5	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0234.0001
Bromopentafluorobenzene standard solution			
344-04-7	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0235.0001
2-Bromophenol standard solution			
95-56-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0236.0001
3-Bromophenol standard solution			
591-20-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0237.0001
4-Bromophenol standard solution			
106-41-2	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.0238.0001
4-Bromophenyl phenyl ether standard solution			
101-55-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0253.0001 CL40.0253.0005
101-55-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0252.0001 CL40.0252.0005
Bromophos-ethyl standard solution			
4824-78-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0239.0001
Bromophos-methyl standard solution			
2104-96-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0240.0001
2-Bromopropionic acid standard solution			
598-72-1	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0241.0001

2-Bromopropionic acid-methyl ester standard solution			
5445-17-0	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0242.0001
Bromopropylate standard solution			
18181-80-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0243.0001
Bromotrichloromethane standard solution			**NEW**
75-62-7	Solution contains 2000 µg/ml in Methanol	10 ml	CL41.0267.0010
75-62-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0244.0001
Bromotrifluoromethane standard solution			
75-63-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0245.0001
Bromoxynil standard solution			
1689-84-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0246.0001
Bromoxynil-methyl ether standard solution			
3336-39-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0247.0001
Bromuconazol standard solution			
116255-48-2	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL41.0278.0002
Bufencarb standard solution			
8065-36-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0248.0001
Bulan standard solution			
8027-00-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0249.0001
Bupirimate standard solution			
41483-43-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0250.0001
Buprofezin standard solution			
69327-76-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0251.0001
Butachlor standard solution			
23184-66-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0254.0001 CL40.0254.0005
Butachlor-2-hydroxy standard solution			
56681-58-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0252.0001
1,3-Butadiene standard solution			
106-99-0	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL41.0272.0001
106-99-0	Solution contains 200 µg/ml in Methanol - Keep at -20°C	1 ml	CL41.0253.0001
Butamifos standard solution			
36335-67-8	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0254.0001
2,3-Butanedione standard solution			
431-03-8	Solution contains 100 µg/ml in 5% Ethanol	1 ml	CL40.0264.0001
1-Butanethiol standard solution			
109-79-5	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.0263.0001

1,2,4-Butanetriol standard solution			
42890-76-6	Solution contains 1000 µg/ml in Pyridine	5 ml	CL40.0272.0005
tert-Butanol standard solution			
75-65-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0255.0001
2-Butanone standard solution			
78-93-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0255.0001 CL40.0255.0005
Buthidazole standard solution			
55511-98-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0256.0001
Butoxypolypropylene glycol standard solution			
9003-13-8	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0257.0001
Buturon standard solution			
3766-60-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0258.0001
n-Butyl alcohol standard solution			
71-36-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0256.0001 CL40.0256.0005
tert-Butyl alcohol-D10 standard solution			
53001-22-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0257.0001 CL40.0257.0005
Butylate standard solution			
2008-41-5	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0258.0001 CL40.0258.0005
n-Butylbenzene standard solution			
104-51-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0259.0001 CL40.0259.0005
sec-Butylbenzene standard solution			
135-98-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0261.0001 CL40.0261.0005
tert-Butylbenzene standard solution			
98-06-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0260.0001 CL40.0260.0005
Butyl benzyl phthalate standard solution			
85-68-7	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0262.0001 CL40.0262.0005
tert-Butyl methyl ether standard solution			
1634-04-4	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0263.0001 CL40.0263.0005
Butyric acid standard solution			
107-92-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.0259.0001
Cadusafos standard solution			
95465-99-9	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.0381.0001
Cafenstrole standard solution			
125306-83-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0382.0001

Captafol standard solution			
2425-06-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0301.0001 CL40.0301.0005
Captan standard solution			
133-06-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0302.0001 CL40.0302.0005
Carazolol standard solution			
57775-29-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0383.0001
Carbaryl standard solution			
63-25-2	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0372.0001
63-25-2	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0303.0001 CL40.0303.0005
Carbaryl-D7 (naphthyl-D7) standard solution			
362049-56-7	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0384.0001
Carbazole standard solution			
86-74-8	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0304.0001 CL40.0304.0005
Carbazole-D8 standard solution			
38537-24-5	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0385.0001
Carbendazim standard solution			
10605-21-7	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0386.0001
Carbendazim-D4 (ring) standard solution			
291765-95-2	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0387.0001
Carbetamide standard solution			
16118-49-3	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0388.0001
Carbofuran standard solution			
1563-66-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0305.0001 CL40.0305.0005
Carbofuran-3-hydroxy standard solution			
16655-82-6	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.0389.0001
Carbofuran-3-hydroxy-7-phenol standard solution			
17781-15-6	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL40.0390.0001
Carbofuranphenol standard solution			
1563-38-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0391.0001
Carbofuranphenol-3-keto standard solution			
17781-16-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0392.0001
Carbon disulfide standard solution			
75-15-0	Solution contains 5000 µg/ml in Methanol	1 ml	CL40.0380.0001
75-15-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0306.0001 CL40.0306.0005

Carbon tetrachloride standard solution

56-23-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0307.0001 CL40.0307.0005
56-23-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0308.0001 CL40.0308.0005

Carbophenothion standard solution

786-19-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0309.0001 CL40.0309.0005

Carbophenothion-methyl standard solution

953-17-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0393.0001

Carbophenothion-methyl-sulfone standard solution

62059-34-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0394.0001

Carbophenothion-methyl-sulfoxide standard solution

62059-33-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0395.0001

Carbosulfan standard solution

55285-14-8	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.0396.0001

Carboxin standard solution

5234-68-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0310.0001 CL40.0310.0005

Carfentrazone (free acid) standard solution

128621-72-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0397.0001

Catechol standard solution

120-80-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0398.0001

Cekafix standard solution

121227-99-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0399.0001

Chinomethionat standard solution

2439-01-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0301.0001

Chloralhydrate standard solution

302-17-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml	CL41.0302.0001

Chloramben standard solution

133-90-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0311.0001 CL40.0311.0005

Chloramben ethyl ester standard solution

60541-86-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0303.0001

Chloramphenicol-D5 (ring-D4, benzyl-D) standard solution

202480-68-0	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0305.0001

Chlorbromuron standard solution

13360-45-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0306.0001

Chlordane standard solution

57-74-9	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0370.0001

cis-Chlordane (alpha) standard solution			
5103-71-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0312.0001 CL40.0312.0005
5103-71-9	Solution contains 100 µg/ml in n-Hexane	1 ml	CL42.0309.0001
(-)-cis-Chlordane standard solution			
66429-41-2	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0308.0001
(+)-cis-Chlordane standard solution			
66514-88-3	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0307.0001
(+)-oxy-Chlordane standard solution			
155681-22-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0311.0001
(-)-oxy-Chlordane standard solution			
155681-23-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0312.0001
trans-Chlordane (gamma) standard solution			
5103-74-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0313.0001 CL40.0313.0005
5103-74-2	Solution contains 100 µg/ml in n-Hexane	1 ml	CL42.0310.0001
5103-74-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0319.0001
(-)-trans-Chlordane standard solution			
142433-24-7	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0310.0001
(+)-trans-Chlordane standard solution			
66514-87-2	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL41.0309.0001
Chlordene standard solution			
3734-48-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0313.0001
beta-Chlordene standard solution			
56534-03-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0315.0001
cis-Chlordene standard solution			
56534-02-2	Solution contains 10 µg/ml in iso-Octane	1 ml	CL41.0316.0001
oxy-Chlordene standard solution			
33386-84-4	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0317.0001
Chlordene-1-hydroxy standard solution			
24009-05-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0314.0001
4-Chlor-3,5-dimethylphenol standard solution			
88-04-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL42.0317.0001
Chlorfenapyr standard solution			
122453-73-0	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0307.0001
Chlorfenvinphos standard solution			
470-90-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0314.0001 CL40.0314.0005

trans-Chlorfenvinphos standard solution

18708-86-6	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0319.0001

cis-Chlorfenvinphos standard solution

18708-87-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0318.0001

Chlorfluazuron standard solution

71422-67-8	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0306.0001

Chloridazon standard solution

1698-60-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0320.0001

Chloridazon-desphenyl standard solution

6339-19-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0321.0001

Chloridazon-methyl-desphenyl standard solution

17254-80-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0322.0001

Chlorine standard solution

75-09-2	Solution contains 100 µg/ml in Ethanol	10 ml	CL41.0399.0010

Chlorine (Aldrin®) standard solution

309-00-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0123.0001 CL40.0123.0005
309-00-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0124.0001 CL40.0124.0005
309-00-2	Solution contains 10 µg/g in n-Hexane	2 ml	CL42.0303.0002
309-00-2	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL41.0130.0002

Chlormephos standard solution

24934-91-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0323.0001

Chlormephos-oxon standard solution

16500-52-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0324.0001

Chlormequat chloride standard solution

999-81-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0325.0001

Chlornitrofen standard solution

1836-77-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0326.0001

Chlornitrofen-amino standard solution

26306-61-6	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0327.0001

2-Chloroacetamide standard solution NEW

79-07-2	Solution contains 1000 µg/ml in Methanol	1 ml	CL42.0318.0001

Chloroacetic acid standard solution

79-11-8	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0315.0001 CL40.0315.0005

Chloroacetonitrile standard solution

107-14-2	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0316.0001 CL40.0316.0005

2-Chloroacrylonitrile standard solution			
920-37-6	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0317.0001 CL40.0317.0005
4-Chloroaniline standard solution			
106-47-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0318.0001 CL40.0318.0005
3-Chloroaniline standard solution			
108-42-9	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0329.0001
2-Chloroaniline standard solution			
95-51-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0328.0001
Chlorobenzene standard solution			**NEW**
108-90-7	Solution contains 5000 µg/ml in Methanol	1 ml	CL42.0320.0001
108-90-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0319.0001 CL40.0319.0005
Chlorobenzene-D5 standard solution			
3114-55-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0320.0001 CL40.0320.0005
Chlorobenzilate standard solution			
510-15-6	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0321.0001 CL40.0321.0005
1-Chlorobutane standard solution			
109-69-3	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0322.0001 CL40.0322.0005
Chlorodibromoacetic acid standard solution			
5278-95-5	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0323.0001 CL40.0323.0005
Chlorodibromomethane standard solution			
124-48-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0324.0001 CL40.0324.0005
1-Chloro-1,1-difluoroethane standard solution			
75-68-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0330.0001
2-Chloro-1,1-difluoroethene standard solution			
359-10-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0331.0001
1-Chloro-2,4-dinitrobenzene standard solution			
97-00-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0333.0001
Chloroethane standard solution			
75-00-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0325.0001 CL40.0325.0005
2-Chloroethanol standard solution			**NEW**
107-07-3	Solution contains 40000 µg/ml in Methanol	1 ml	CL42.0312.0001
107-07-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL42.0313.0001
107-07-3	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0326.0001 CL40.0326.0005

2-Chloro-4-ethlyamino-6-n-propylamino-1,3,5-triazine standard solution

90952-64-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0334.0001

2-Chloroethyl vinyl ether standard solution

110-75-8	Solution contains 5000 µg/ml in Methanol	1 ml	CL41.0335.0001
110-75-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0328.0001 CL40.0328.0005

1-Chloro-2-fluorobenzene standard solution

348-51-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0329.0001 CL40.0329.0005

2-Chloro-9-flurenone standard solution

3096-47-7	Solution contains 10 µg/ml in Methanol	1 ml	CL41.0336.0001

Chloroform standard solution

67-66-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0330.0001 CL40.0330.0005
67-66-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0331.0001 CL40.0331.0005

1-Chlorohexane standard solution

544-10-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0337.0001

6-Chloro-4-hydroxy-3-phenyl-pyridazin standard solution

40020-01-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0338.0001

Chloromethane standard solution

74-87-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0339.0001

4-Chloro-2-methylaniline standard solution

95-69-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0340.0001

4-Chloro-2-methylphenol standard solution

1570-64-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0341.0001

4-Chloro-3-methylphenol standard solution

59-50-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0332.0001 CL40.0332.0005
59-50-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0333.0001 CL40.0333.0005

1-Chloronaphthalene standard solution

90-13-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0334.0001 CL40.0334.0005

2-Chloronaphthalene standard solution

91-58-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0335.0001 CL40.0335.0005

Chloroneb standard solution

2675-77-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0336.0001 CL40.0336.0005

1-Chloro-2-nitrobenzene standard solution

88-73-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0342.0001

1-Chloro-3-nitrobenzene standard solution			
121-73-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0343.0001
1-Chloro-4-nitrobenzene standard solution			
100-00-5	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0344.0001
2-Chloro-4-nitrotoluene standard solution			
121-86-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0345.0001
2-Chloro-6-nitrotoluene standard solution			
83-42-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0346.0001
4-Chloro-3-nitrotoluene standard solution			
89-60-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0347.0001
Chloropentafluoroethane standard solution			
76-15-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0348.0001
Chlorophacinone standard solution			
3691-35-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0349.0001
4-Chlorophenol standard solution			
106-48-9	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0339.0001 CL40.0339.0005
3-Chlorophenol standard solution			
108-43-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0350.0001
2-Chlorophenol-D4 standard solution			
93951-73-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0340.0001 CL40.0340.0005
2-Chlorophenol standard solution			
95-57-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0337.0001 CL40.0337.0005
95-57-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0338.0001 CL40.0338.0005
4-Chlorophenoxyacetic acid standard solution			
122-88-3	Solution contains 2000 µg/ml in Acetonitrile	1 ml	CL40.0366.0001
122-88-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0365.0001
2-(4-Chlorophenoxy)propionic acid standard solution			
3307-39-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0351.0001
4-Chlorophenyl phenyl ether standard solution			
7005-72-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0341.0001 CL40.0341.0005
7005-72-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0342.0001 CL40.0342.0005
6-Chloro-2-picolinic acid standard solution			
4684-94-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0352.0001
6-Chloro-2-picolinic acid methyl ester standard solution			
6636-55-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0353.0001

Chloropicrin standard solution

76-06-2	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.0343.0001 CL40.0343.0005

Chloroprene standard solution NEW

126-99-8	Solution contains 2000 µg/ml in Methanol	1 ml	CL42.0328.0001
126-99-8	Solution contains 1000 µg/ml in Methanol	1 ml	CL42.0325.0001
126-99-8	Solution contains 100 µg/ml in p-Xylene	1 ml	CL42.0308.0001
126-99-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0354.0001

2-Chloropropane standard solution

75-29-6	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0355.0001

Chloropropylate standard solution

5836-10-2	Solution contains 1000 µg/ml in iso-Octane	1 ml 5 ml	CL40.0344.0001 CL40.0344.0005

Chloropyriphos-oxon standard solution

5598-15-2	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL42.0301.0001

Chlorothalonil standard solution

1897-45-6	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0371.0001
1897-45-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0345.0001 CL40.0345.0005

Chlorothalonil-4-hydroxy standard solution

28343-61-5	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0356.0001

2-Chlorotoluene standard solution

95-49-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0346.0001 CL40.0346.0005
95-49-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0347.0001 CL40.0347.0005

3-Chlorotoluene standard solution NEW

108-41-8	Solution contains 1000 µg/ml in Methanol	1 ml	CL42.0324.0001
108-41-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0357.0001

4-Chlorotoluene standard solution

106-43-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0348.0001 CL40.0348.0005
106-43-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0349.0001 CL40.0349.0005

4-Chloro-o-tolyloxy acetic acid methyl ester standard solution

2436-73-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0351.0001 CL40.0351.0005

2-Chloro-1,1,1-trifluoroethane standard solution

75-88-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0358.0001

Chlorotrifluoroethene standard solution

79-38-9	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0359.0001

Chlorotrifluoromethane standard solution			
75-72-9	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0360.0001
Chloroxuron standard solution			
1982-47-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0361.0001
Chlorpropham standard solution			
101-21-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0362.0001
Chlorpyrifos standard solution			
2921-88-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0352.0001 CL40.0352.0005
Chlorpyrifos-D10 (diethy-D10) standard solution			
285138-81-0	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0363.0001
Chlorpyrifos-methyl standard solution			
5598-13-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0353.0001 CL40.0353.0005
5598-13-0	Solution contains 10 µg/ml in Ethyl acetate	2 ml	CL42.0314.0002
Chlorthal standard solution			
1861-32-1	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.0354.0001 CL40.0354.0005
1861-32-1	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0302.0001
Chlorthion standard solution			
500-28-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0365.0001
Chlorthiophos-oxon standard solution			
66229-12-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0366.0001
Chlorthiophos-sulfone standard solution			
25900-20-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0367.0001
Chlorthiophos-sulfoxide standard solution			
29185-21-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0368.0001
Chlortoluron standard solution			
15545-48-9	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0369.0001
Chlozolinate standard solution			
84332-86-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0369.0001
Chromafenozide standard solution			
143807-66-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0370.0001

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Chrysene standard solution			
218-01-9	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0355.0001 CL40.0355.0005
218-01-9	Solution contains 400 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0367.0001 CL40.0367.0005
218-01-9	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0356.0001 CL40.0356.0005
Chrysene-D12 standard solution			
1719-03-5	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0357.0001 CL40.0357.0005
Cinidon (free acid) standard solution			
175156-71-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0371.0001
Clenbuterol-D9 standard solution			
129138-58-5	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0372.0001
Clodinafop-propargyl ester standard solution			
105512-06-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0373.0001
Clofentezine standard solution			
74115-24-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0305.0001
Clomeprop standard solution			
84496-56-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0374.0001
Clopyralid standard solution			
1702-17-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0375.0001
Corticosterone standard solution			
50-22-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0376.0001
Corticosterone-21-acetate standard solution			
1173-26-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0377.0001
Coumafuryl standard solution			
117-52-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0378.0001
Coumaphos standard solution			
56-72-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0358.0001 CL40.0358.0005
Coumaphos-oxon standard solution			
321-54-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0379.0001
Coumatetralyl standard solution			
5836-29-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0380.0001
Cresol-(m) standard solution			
108-39-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0359.0001 CL40.0359.0005
108-39-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0360.0001 CL40.0360.0005

Crotoxyphos standard solution			
7700-17-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0361.0001 CL40.0361.0005
Crufomate standard solution			
299-86-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0381.0001
Cyanazine standard solution			
21725-46-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0382.0001
Cyclanilide standard solution			
113136-77-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0383.0001
Cycloate standard solution			
1134-23-2	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0362.0001 CL40.0362.0005
9-Cycloheptadecen-1-one standard solution			
542-46-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0384.0001
Cyclohexane standard solution			
110-82-7	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0363.0001 CL40.0363.0005
2-Cyclohexyl-4,6-dinitrophenol standard solution			
131-89-5	Solution contains 1000 µg/ml in iso-Propanol	1 ml 5 ml	CL40.0364.0001 CL40.0364.0005
Cyclopentanone standard solution			
120-92-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0385.0001
gamma-Cyhalothrin standard solution			
76703-62-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0386.0001
lambda-Cyhalothrin standard solution			
91465-08-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0387.0001
Cymoxanil standard solution			
57966-95-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0388.0001
Cypermethrin standard solution			
52315-07-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0389.0001
α-Cypermethrin standard solution			
67375-30-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0390.0001
Cypermethrin standard solution			
52315-07-8	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL42.0315.0002
trans-Cypermethrin-D6 (dimethyl-D6) standard solution			
82523-65-7	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0391.0001
Cyprazine-desisopropyl standard solution			
35516-73-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0392.0001

Cyprazine-desisopropyl-2-hydroxy standard solution			
92510-62-8	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0393.0001
Cyprazine-2-hydroxy standard solution			
39095-16-4	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0394.0001
Cyproconazole standard solution			
94361-06-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0395.0001
Cyprodinil standard solution			
121552-61-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0396.0001
121552-61-2	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL42.0316.0002
2,4-D standard solution			
94-75-7	Solution contains 5000 µg/ml in Acetonitrile	1 ml	CL43.0403.0001
94-75-7	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0425.0001
94-75-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0401.0001 CL40.0401.0005
2,4-D 13C6 standard solution			
150907-52-1	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0466.0001
3,4-D standard solution			
588-22-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0473.0001
2,4-D-D3 standard solution			
202480-67-9	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0465.0001
2,4-D-1-butyl ester standard solution			
94-80-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0467.0001
2,4-D-butylglycol ester standard solution			
1929-73-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0468.0001
2,4-D-ethyl ester standard solution			
533-23-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0469.0001
2,4-D-iso-butyl ester (technical) standard solution			
1713-15-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0470.0001
2,4-D-iso-octyl ester standard solution			
25168-26-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0471.0001
2,4-D-iso-propyl ester standard solution			
94-11-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0472.0001
2,4-DB standard solution			
94-82-6	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0422.0001
94-82-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0404.0001 CL40.0404.0005
2,4-DB-butoxyethyl ester standard solution			
32357-46-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0476.0001

2,4-DB methyl ester standard solution			
18625-12-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0405.0001 CL40.0405.0005
DDAC standard solution			
7173-51-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL43.0436.0001
7173-51-5	Solution contains 10 µg/ml in Methanol	1 ml	CL43.0439.0001
2,4´ -DDD standard solution			
53-19-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0477.0001
53-19-0	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0451.0002
4,4' -DDD standard solution			
72-54-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0406.0001 CL40.0406.0005
72-54-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0407.0001 CL40.0407.0005
72-54-8	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0447.0002
2,2'-DDE standard solution			
3328-98-1	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0442.0002
2,4´ -DDE standard solution			
3424-82-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0478.0001
3424-82-6	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0443.0002
4,4' -DDE standard solution			**NEW**
72-55-9	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0404.0001
72-55-9	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0408.0001 CL40.0408.0005
72-55-9	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0407.0001
72-55-9	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0445.0002
13C-4,4'-DDE standard solution			
	Solution contains 500 µg/ml in n-Nonane	1 ml	CL41.0446.0001
4,4´-DDE-D8 standard solution			
93952-19-3	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0479.0001
13C-p,p-DDT standard solution			
	Solution contains 500 µg/ml in n-Nonane	1 ml	CL41.0445.0001
2,4´ -DDT standard solution			
789-02-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0480.0001
789-02-6	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0408.0001
789-02-6	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0448.0002

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

4,4' -DDT standard solution

50-29-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0409.0001 CL40.0409.0005
50-29-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0457.0001
50-29-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0410.0001 CL40.0410.0005
50-29-3	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0446.0002

4,4´-DDT 13C12 standard solution

104215-84-1	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0483.0001

2,4´-DDT-D8 standard solution

221899-88-3	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0481.0001

4,4´-DDT-D8 standard solution

93952-18-2	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0482.0001

DEET standard solution

134-62-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0491.0001

DMST standard solution

66840-71-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0496.0001

DPMI (Cashmeran) standard solution

33704-61-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL42.0498.0001

Daimuron (Dymron) standard solution

42609-52-9	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0474.0001

Daimuron-methyl standard solution

118930-35-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.0475.0001

Dalapon standard solution

75-99-0	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0421.0001
75-99-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0402.0001 CL40.0402.0005

Dalapon methyl ester standard solution

17640-02-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0403.0001 CL40.0403.0005

Decafluorobiphenyl standard solution

434-90-2	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0484.0001

Decafluorotriphenylphosphine standard solution

5074-71-5	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0411.0001 CL40.0411.0005

Decafluorotriphenylphosphine oxide standard solution

5594-90-1	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0485.0001

n-Decane standard solution

124-18-5	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL41.0486.0001
124-18-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL43.0427.0001

n-Decane (C10) standard solution

124-18-2	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0412.0001 CL40.0412.0005
124-18-2	Solution contains 100 µg/ml in n-Hexane	5 ml	CL43.0449.0005

1-Decanol standard solution

112-30-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0488.0001

2-Decanone standard solution

693-54-9	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0489.0001

1-Decene standard solution

872-05-9	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0490.0001

Deltamethrin standard solution

52918-63-5	Solution contains 500 µg/ml in Methanol	1 ml	CL41.0453.0001
52918-63-5	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL43.0438.0002

Demeton (O+S) standard solution

8065-48-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0492.0001

Demeton S standard solution

126-75-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0413.0001 CL40.0413.0005

Demeton methyl standard solution

919-86-8	Solution contains 500 µg/ml in Methanol	1 ml	CL41.0454.0001

Demeton-S-methyl-sulfoxide standard solution

301-12-2	Solution contains 100 µg/ml in Cyclohexane/Toluene (1/1)	1 ml	CL41.0493.0001

Desmetryn standard solution

1014-69-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.0494.0001

Devrinol® standard solution

15299-99-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0414.0001 CL40.0414.0005

Dialifos standard solution

10311-84-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.0495.0001

Di-allate standard solution

2303-16-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0415.0001 CL40.0415.0005

2,6-Diamino-4-nitrotoluene standard solution

59229-75-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0496.0001

Diamyl phthalate standard solution

131-18-0	Solution contains 5000 µg/ml in Acetone	1 ml 5 ml	CL40.0416.0001 CL40.0416.0005

Diazinon standard solution			
333-41-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0400.0001
333-41-5	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0417.0001 CL40.0417.0005
333-41-5	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0418.0001 CL40.0418.0005
Diazinon-D10 (diethyl-D10) standard solution			
100155-47-3	Solution contains 100 µg/ml in Acetone	1 ml	CL41.0497.0001
Dibenz(a,j)acridine standard solution			
224-42-0	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0419.0001 CL40.0419.0005
1,2:5,6-Dibenzanthracene standard solution			
53-70-3	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0420.0001 CL40.0420.0005
53-70-3	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0421.0001 CL40.0421.0005
Dibenzofuran standard solution			
132-64-9	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0422.0001 CL40.0422.0005
132-64-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0423.0001 CL40.0423.0005
Dibenzo(a,l)pyrene standard solution			
191-30-0	Solution contains 1000 µg/ml in Dichloromethane	1 ml	CL41.0439.0001
Dibenzo(a,h)pyrene standard solution			
189-64-0	Solution contains 200 µg/ml in Dichloromethane	1 ml	CL41.0452.0001
Dibenzo(a,e)pyrene standard solution			
192-65-4	Solution contains 200 µg/ml in Dichloromethane	1 ml	CL41.0451.0001
Dibenzo(a,i)pyrene standard solution			
189-55-9	Solution contains 100 µg/ml in Dichloromethane	1 ml	CL41.0449.0001
Dibenzo(a,l)pyrene standard solution			
191-30-0	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL41.0443.0001 CL41.0443.0005
Dibenzothiophene standard solution			
132-65-0	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.0424.0001 CL40.0424.0005
Dibrom standard solution			
300-76-5	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0425.0001 CL40.0425.0005
Dibromoacetic acid standard solution			
631-64-1	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0426.0001 CL40.0426.0005

Dibromoacetonitrile standard solution

3252-43-5	Solution contains 1000 µg/ml in Acetone	1 ml	CL41.0461.0001
3252-43-5	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0427.0001 CL40.0427.0005

Dibromobenzilic acid standard solution

30738-49-9	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.0498.0001

Dibromochloroacetic acid-methyl ester standard solution

20428-75-5	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.0499.0001

1,2-Dibromo-1-chloroethane standard solution

598-20-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0401.0001

1,2-Dibromo-3-chloropropane (DBCP) standard solution

96-12-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0428.0001 CL40.0428.0005
96-12-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0429.0001 CL40.0429.0005

1,2-Dibromo-1,1-dichloroethane standard solution

75-81-0	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0402.0001

Dibromodifluoromethane standard solution

75-61-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0403.0001

1,2-Dibromoethane standard solution

106-93-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0430.0001 CL40.0430.0005
106-93-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0431.0001 CL40.0431.0005

Dibromomethane standard solution

74-95-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0433.0001 CL40.0433.0005
74-95-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0434.0001 CL40.0434.0005

4,4´-Dibromooctafluorobiphenyl (DBOFB) standard solution NEW

10386-84-2	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL43.0402.0001
10386-84-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0404.0001

2,4-Dibromophenol standard solution

615-58-7	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0405.0001

2,3-Dibromopropionic acid standard solution

600-05-5	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0435.0001 CL40.0435.0005

2,3-Dibromopropionic acid methyl ester standard solution

1729-67-5	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0436.0001 CL40.0436.0005

1,2-Dibromotetrafluoroethane standard solution

124-73-2	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0406.0001

2,5-Dibromotoluene standard solution			**NEW**
615-59-8	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0450.0001
615-59-8	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0437.0001 CL40.0437.0005
3-(2,2-Dibromovinyl)-2,2-dimethyl-(1-cyclopropane)carboxylic acid standard solution			
63597-73-9	Solution contains 10 µg/ml in Methanol	1 ml	CL42.0407.0001
α,α´-Dibromo-m-xylene standard solution			
626-15-3	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0408.0001
Dibutyl chlorendate standard solution			
1770-80-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0439.0001 CL40.0439.0005
Di-n-butyl phthalate standard solution			
84-74-2	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0438.0001 CL40.0438.0005
84-74-2	Solution contains 100 µg/ml in methanol	1 ml	CL43.0457.0001
3,4,5,6-Dibutylphthalate-D4 standard solution			**NEW**
93952-11-5	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL43.0467.0001
Dicamba standard solution			
1918-00-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0440.0001 CL40.0440.0005
Dicamba-D3 (methoxy-D3) standard solution			
349553-95-3	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0410.0001
Dicamba methyl ester standard solution			
6597-78-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0441.0001 CL40.0441.0005
Dichlobenil standard solution			
1194-65-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0412.0001
Dichlofenthion standard solution			
97-17-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0442.0001 CL40.0442.0005
Dichlofluanid standard solution			
1085-98-9	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.0413.0001
Dichlone standard solution			
117-80-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0443.0001 CL40.0443.0005
Dichloroacetic acid standard solution			
79-43-6	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL42.0414.0001
Dichloroacetic acid standard solution			
79-99-0	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0444.0001 CL40.0444.0005

1,1-Dichloroacetone standard solution			
513-88-2	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.0445.0001 CL40.0445.0005
Dichloroacetonitrile standard solution			
3018-12-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0446.0001 CL40.0446.0005
2,3-Dichloroaniline standard solution			
608-27-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0415.0001
2,4-Dichloroaniline standard solution			
554-00-7	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0416.0001
2,5-Dichloroaniline standard solution			
95-82-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0417.0001
2,6-Dichloroaniline standard solution			
608-31-1	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0418.0001
3,4-Dichloroaniline standard solution			
95-76-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0419.0001
3,5-Dichloroaniline standard solution			
626-43-7	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0420.0001
2,6-Dichlorobenzamide standard solution			
2008-58-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0421.0001
1,3-Dichlorobenzene standard solution			
541-73-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0447.0001 CL40.0447.0005
541-73-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0448.0001 CL40.0448.0005
1,2-Dichlorobenzene standard solution			
95-50-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0449.0001 CL40.0449.0005
95-50-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0450.0001 CL40.0450.0005
1,4-Dichlorobenzene standard solution			
106-46-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0451.0001 CL40.0451.0005
106-46-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0452.0001 CL40.0452.0005
1,4-Dichlorobenzene-D4 standard solution			
3855-82-1	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0454.0001 CL40.0454.0005
1,2-Dichlorobenzene-D4 standard solution			
2199-69-1	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0453.0001 CL40.0453.0005
2199-69-1	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL43.0468.0001

1,4-Dichlorobenzene-D4 standard solution

3855-82-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL42.0422.0001

3,3-Dichlorobenzidine standard solution

91-94-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0455.0001 CL40.0455.0005
91-94-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0456.0001 CL40.0456.0005

3,5-Dichlorobenzoic acid standard solution

51-36-5	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0457.0001 CL40.0457.0005
51-36-5	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0426.0001

4,4´-Dichlorobenzophenone standard solution

90-98-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0423.0001

1,4-Dichlorobutane standard solution

110-56-5	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0458.0001 CL40.0458.0005

1,4-Dichloro-2-butene trans standard solution

110-57-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0459.0001 CL40.0459.0005

1,4-Dichloro-2-butene cis & trans standard solution

764-41-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0460.0001 CL40.0460.0005

1,1-Dichloro-2,2-difluoroethene standard solution

79-35-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0424.0001

Dichlorodifluoromethane standard solution

75-71-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0461.0001 CL40.0461.0005
75-71-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0462.0001 CL40.0462.0005

1,1-Dichloroethane standard solution

75-34-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0463.0001 CL40.0463.0005
75-34-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.0460.0001
75-34-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0464.0001 CL40.0464.0005

1,2-Dichloroethane standard solution

107-06-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0465.0001 CL40.0465.0005
107-06-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0466.0001 CL40.0466.0005

1,2-Dichloroethane-D4 standard solution

17060-07-0	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0467.0001 CL40.0467.0005

1,1-Dichloroethene standard solution

75-35-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0425.0001

cis-1,2-Dichloroethene standard solution

156-59-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0468.0001 CL40.0468.0005
156-59-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0469.0001 CL40.0469.0005
156-59-2	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0426.0001

trans-1,2-Dichloroethene standard solution

156-60-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0470.0001 CL40.0470.0005
156-60-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0471.0001 CL40.0471.0005

1,1-Dichloro-1-fluoroethane standard solution

1717-00-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0427.0001

1,2-Dichlorofluoroethane standard solution

430-57-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0428.0001

Dichlorofluoromethane standard solution

75-43-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0429.0001

2,3-Dichlorophenol standard solution

576-24-9	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0472.0001 CL40.0472.0005

2,4-Dichlorophenol standard solution

120-83-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0473.0001 CL40.0473.0005
120-83-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0474.0001 CL40.0474.0005

2,5-Dichlorophenol standard solution

583-78-8	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0475.0001 CL40.0475.0005

2,6-Dichlorophenol standard solution NEW

87-65-0	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0406.0001
87-65-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0476.0001 CL40.0476.0005

3,4-Dichlorophenol standard solution

95-77-2	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0431.0001

3,5-Dichlorophenol standard solution

591-35-5	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0477.0001 CL40.0477.0005

2,4-Dichlorophenol-3,5,6-D3 standard solution

93951-74-7	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0430.0001

2,4-Dichlorophenylacetic acid standard solution

19719-28-9	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.0478.0001 CL40.0478.0005

2,4-Dichlorophenyl acetic acid methyl ester standard solution

55954-23-9	Solution contains 2000 µg/ml in Acetone	1 ml	CL42.0432.0001
55954-23-9	Solution contains 100 µg/ml in n-Hexane	1 ml	CL43.0437.0001

1-(3,4-Dichlorophenyl)-3-methylurea standard solution

3567-62-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0433.0001

1-(3,4-Dichlorophenyl)urea standard solution

2327-02-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0434.0001

1,1-Dichloropropane standard solution

78-99-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0435.0001

1,2-Dichloropropane standard solution

78-87-5	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0479.0001 CL40.0479.0005

1,3-Dichloropropane standard solution

142-28-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0480.0001 CL40.0480.0005

2,2-Dichloropropane standard solution

590-20-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0481.0001 CL40.0481.0005

2,2-Dichloropropane standard solution

594-20-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL42.0436.0001 CL42.0436.0005

2,3-Dichloro-1-propene standard solution

78-88-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0439.0001

1,1-Dichloropropene standard solution

563-58-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0437.0001

1,3-Dichloropropene (cis + trans) standard solution

542-75-6	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0438.0001

cis-1,3-Dichloropropene standard solution

10061-01-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0482.0001 CL40.0482.0005

trans-1,3-Dichloropropene standard solution

10061-02-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0483.0001 CL40.0483.0005

1,2-Dichlorotetrafluoroethane standard solution

76-14-2	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0440.0001

2,3-Dichlorotoluene standard solution

32768-54-0	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0441.0001

2,5-Dichlorotoluene standard solution

19398-61-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0442.0001

2,6-Dichlorotoluene standard solution

118-69-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0443.0001

3,4-Dichlorotoluene standard solution

95-75-0	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0444.0001

2,2-Dichloro-1,1,1-trifluoroethane standard solution

306-83-2	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0446.0001

1,2-Dichloro-1,1,2-trifluoroethane standard solution

354-23-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0445.0001

3-(2,2-Dichlorovinyl)-2,2-dimethyl-(1-cyclopropane)carboxylic acid standard solution

55701-05-8	Solution contains 10 µg/ml in Methanol	1 ml	CL42.0447.0001

Dichlorprop standard solution

120-36-5	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0423.0001
120-36-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0485.0001 CL40.0485.0005

Dichlorprop-methyl ester standard solution

57153-17-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0448.0001

Dichlorvos standard solution

62-73-7	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0455.0001
62-73-7	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0486.0001 CL40.0486.0005

Dichlorvos-D6 standard solution

	Solution contains 100 µg/ml in Acetone	1 ml	CL43.0435.0001

Dichlorvos-D6 (dimethyl-D6) standard solution

203645-53-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0449.0001

Diclocymet standard solution

139920-32-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0450.0001

Diclofop methyl-5-hydroxy standard solution

124992-48-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL42.0451.0001

Diclomezine standard solution

62865-36-5	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0452.0001

Dicloran standard solution

99-30-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0453.0001

Dicloxacillin sodium hydrate standard solution

13412-64-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0454.0001

Dicofol standard solution

115-32-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0455.0001

2,4´-Dicofol standard solution

10606-46-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL42.0456.0001

Dicrotophos standard solution			
141-66-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0487.0001 CL40.0487.0005
Dicyclohexyl phthalate standard solution			
84-61-7	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0488.0001 CL40.0488.0005
Dicyclopentadiene standard solution			**NEW**
77-73-6	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0452.0001
Dieldrin standard solution			
60-57-1	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0489.0001 CL40.0489.0005
60-57-1	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL43.0441.0002
Dieldrin chlorohydrin standard solution			
62059-42-1	Solution contains 10 µg/ml in iso-Octane	1 ml	CL42.0457.0001
1,2-Diethylbenzene standard solution			**NEW**
135-01-3	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0453.0001
135-01-3	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0458.0001
1,3-Diethylbenzene standard solution			**NEW**
141-93-5	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0454.0001
141-93-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0459.0001
1,4-Diethylbenzene standard solution			**NEW**
105-05-5	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0455.0001
105-05-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0460.0001
Diethyl disulfide standard solution			
110-81-6	Solution contains 2000 µg/ml in Toluene	1 ml	CL43.0400.0001
Diethylene glycol standard solution			
111-46-6	Solution contains 1000 mg/l in de-inoized Water	1 ml 5 ml	CL40.0490.0001 CL40.0490.0005
Diethylene glycol dinitrate standard solution			
693-21-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL42.0461.0001
Diethyl phthalate standard solution			
84-66-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0491.0001 CL40.0491.0005
84-66-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0492.0001 CL40.0492.0005
Diethyl sulfide standard solution			
352-93-2	Solution contains 2000 µg/ml in Toluene	1 ml	CL42.0499.0001
Difenacoum standard solution			
56073-07-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0462.0001
Difenoconazole standard solution			
119446-68-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0463.0001

Diflubenzuron standard solution			
35367-38-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0464.0001
Diflufenican standard solution			
83164-33-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0465.0001
1,4-Difluorobenzene standard solution			
540-36-3	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.0493.0001 CL40.0493.0005
2,2´-Difluorobiphenyl standard solution			
388-82-9	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL42.0467.0001
4,4´-Difluorobiphenyl standard solution			
398-23-2	Solution contains 2000 µg/ml in Acetonitrile	1 ml	CL42.0466.0001
1,1-Difluoroethene standard solution			
75-38-7	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0468.0001
1,2-Difluorotetrachloroethane standard solution			
76-12-0	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0469.0001
Dihexylamine standard solution			
143-16-8	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0470.0001
Dihydrostreptomycin sesquisulfate trihydrate standard solution			
5490-27-7	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL42.0471.0001
4,4´-Dihydroxybiphenyl standard solution			
92-88-6	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL42.0472.0001
Diisobutyl phthalate standard solution			
84-69-5	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.0494.0001 CL40.0494.0005
Diisodecyl phthalate standard solution			
26761-40-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0458.0001
Diisononyl phthalate standard solution			
28553-12-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0459.0001
1,4-Diisopropylbenzene standard solution			
100-18-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0473.0001
Diisopropylether standard solution			
108-20-3	Solution contains 5000 µg/ml in Methanol	1 ml	CL43.0420.0001
108-20-3	Solution contains 100 µg/ml in Methanol	5 ml	CL41.0462.0005
2,5-Diisopropylphenol standard solution			
35946-91-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0474.0001
Dimefuron standard solution			
34205-21-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0475.0001

Dimepiperate standard solution			
61432-55-1	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL42.0476.0001
Dimethoate standard solution			
60-51-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.0456.0001
60-51-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0495.0001 CL40.0495.0005
Dimethomorph standard solution			**NEW**
110488-70-5	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0431.0001
3,3´-Dimethoxybenzidine (o-Dianisidine) standard solution			
119-90-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0477.0001
N,N-Dimethylacetamide standard solution			
127-19-5	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0496.0001 CL40.0496.0005
p-Dimethylaminoazobenzene standard solution			
60-11-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0497.0001 CL40.0497.0005
2,4-Dimethylaniline standard solution			
95-68-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0478.0001
2,6-Dimethylaniline standard solution			
87-62-7	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.0479.0001
N,N-Dimethylaniline standard solution			
121-69-7	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0498.0001 CL40.0498.0005
7,12-Dimethylbenz(a)anthracene standard solution			
57-97-6	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0499.0001 CL40.0499.0005
3,3'-Dimethylbenzidine standard solution			
612-82-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0401.0001 CL41.0401.0005
N,N-Dimethylformamide standard solution			**NEW**
68-12-2	Solution contains 5000 µg/ml in methanol	1,2 ml	CL43.0456.0001
68-12-2	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL41.0402.0001 CL41.0402.0005
1,3-Dimethyl-2-nitrobenzene standard solution			
81-20-9	Solution contains 1000 µg/ml in Methyl tert-Butyl Ether (MTBE)	1 ml 5 ml	CL41.0403.0001 CL41.0403.0005
81-20-9	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0464.0001
α,α-Dimethylphenethylamine (Phentermine) standard solution			
122-09-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0404.0001 CL41.0404.0005
α,α-Dimethylphenethylamine hydrochloride standard solution			
1197-21-3	Solution contains 10 µg/ml in Methanol	1 ml	CL42.0480.0001

3,4-Dimethylphenol standard solution			
95-65-8	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL41.0408.0001 CL41.0408.0005
2,3-Dimethylphenol standard solution			
526-75-0	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL41.0407.0001 CL41.0407.0005
2,4-Dimethylphenol standard solution			
105-67-9	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0405.0001 CL41.0405.0005
105-67-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0406.0001 CL41.0406.0005
2,5-Dimethylphenol standard solution			
95-87-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0481.0001
2,6-Dimethylphenol standard solution			
576-26-1	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0482.0001
3,5-Dimethylphenol standard solution			
108-68-9	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0483.0001
2,4-Dimethylphenol-D3 standard solution			
93951-75-8	Solution contains 1000 µg/ml in Toluene	1 ml	CL41.0444.0001
Dimethyl phthalate standard solution			
131-11-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0409.0001 CL41.0409.0005
131-11-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0410.0001 CL41.0410.0005
Dimetridazole-D3 standard solution			
64678-69-9	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0484.0001
Dimetridazole-2-hydroxy standard solution			
936-05-0	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0485.0001
Dimetridazole-2-hydroxy-D3 (methyl-D3) standard solution			
1015855-78-3	Solution contains 100 µg/ml in Acetone	1 ml	CL42.0486.0001
Dinitramine standard solution			
29091-05-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0487.0001
3,5-Dinitroaniline standard solution			
618-87-1	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL41.0411.0001 CL41.0411.0005
m-Dinitrobenzene standard solution			
99-65-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL41.0412.0001 CL41.0412.0005
4,6-Dinitro-o-cresol standard solution			
534-52-1	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL41.0413.0001 CL41.0413.0005

Single Component Standards

2,4-Dinitrophenol standard solution

51-28-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0414.0001 CL41.0414.0005

2,4-Dinitrotoluene standard solution

121-14-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0415.0001 CL41.0415.0005
121-14-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0416.0001 CL41.0416.0005

2,6-Dinitrotoluene standard solution

606-20-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0417.0001 CL41.0417.0005
606-20-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0418.0001 CL41.0418.0005

3,4-Dinitrotoluene standard solution

610-39-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0489.0001

3,5-Dinitrotoluene standard solution

618-85-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0490.0001

2,6-Dinitrotoluene-4-sulfonic acid standard solution

88-90-4	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL42.0488.0001

Dinocap standard solution NEW

39300-45-3	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0433.0001

Dinonyl phthalate standard solution

84-76-4	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL41.0419.0001 CL41.0419.0005

Dinoseb standard solution

88-85-7	Solution contains 1000 µg/ml in Methanol	1 ml	CL43.0424.0001
88-85-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0420.0001 CL41.0420.0005

Dinoseb acetate standard solution

2813-95-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL42.0491.0001

Dinoseb methyl ether standard solution

6099-79-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0421.0001 CL41.0421.0005

Dinoterb standard solution

1420-07-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0492.0001

Di-n-octyl phthalate standard solution

117-84-0	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0422.0001 CL41.0422.0005
117-84-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0423.0001 CL41.0423.0005

1,4-Dioxane standard solution

123-91-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0424.0001 CL41.0424.0005

Dioxathion standard solution			
78-34-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0425.0001 CL41.0425.0005
Diphenamid standard solution			
957-51-7	Solution contains 100 µg/ml in Methyl tert-Butyl Ether (MTBE)	1 ml 5 ml	CL41.0426.0001 CL41.0426.0005
4,4´-Diphenoquinone standard solution			
494-72-4	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL42.0493.0001
Diphenylamine standard solution			
122-39-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL41.0427.0001 CL41.0427.0005
Diphenyl sulfide standard solution			
139-66-2	Solution contains 2000 µg/ml in Toluene	1 ml	CL43.0401.0001
Diquat dibromide hydrate standard solution			
6385-62-2	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL42.0494.0001
Disperse Blue 106 standard solution			
12223-01-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0448.0001
Disperse Blue 7 standard solution			
3179-90-6	Solution contains 100 µg/ml in Methanol	1 ml	CL41.0447.0001
Disulfoton standard solution			
298-04-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0428.0001 CL41.0428.0005
Disulfoton-oxon-sulfon standard solution			
2496-91-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL42.0495.0001
Di-tert-butylperoxide standard solution			
110-05-4	Solution contains 100 µg/ml in Methanol	1 ml	CL42.0409.0001
Dithianon standard solution			NEW
3347-22-6	Solution contains 100 µg/ml in Methanol	1 ml	CL43.0432.0001
Diuron standard solution			
330-54-1	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL41.0429.0001 CL41.0429.0005
330-54-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0430.0001 CL41.0430.0005
2,4-D methyl ester standard solution			
1928-38-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0431.0001 CL41.0431.0005
n-Docosane (C22) standard solution			
629-97-0	Solution contains 100 µg/ml in n-Hexane	1 ml	CL43.0428.0001
629-97-0	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL41.0432.0001 CL41.0432.0005

n-Dodecane (C12) standard solution

112-40-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL41.0433.0001 CL41.0433.0005
112-40-3	Solution contains 100 µg/ml in n-Hexane	1 ml	CL43.0430.0001

Dotriacontane standard solution

544-85-4	Solution contains 100 µg/ml in n-Hexane	1 ml	CL43.0429.0001

Dyfonate® (fonofos) standard solution

944-22-9	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL41.0434.0001 CL41.0434.0005

Dylox® standard solution

52-68-6	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL41.0435.0001 CL41.0435.0005

EPN standard solution

2104-64-5	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0508.0001 CL40.0508.0005

n-Eicosane (C20) standard solution

112-95-8	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0501.0001 CL40.0501.0005
112-95-8	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0564.0001 CL40.0564.0005

α-Endosulfan-D4 standard solution

203645-57-2	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0523.0001

beta-Endosulfan-D4 standard solution

203716-99-8	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0524.0001

Endosulfan (alpha and beta) standard solution

115-29-7	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.0522.0001

α-Endosulfan standard solution

959-98-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0502.0001 CL40.0502.0005

beta-Endosulfan standard solution

33213-65-9	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0503.0001 CL40.0503.0005

Endosulfan sulfate standard solution

1031-07-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0504.0001 CL40.0504.0005

alpha-Endosulphan standard solution

959-98-8	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0575.0002

beta-Endosulphan standard solution

33213-65-9	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0576.0002

Endothal standard solution

145-73-3	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0525.0001

Endothal-dimethyl standard solution

88941-22-4	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.0526.0001

Endrin standard solution			**NEW**
72-20-8	Solution contains 5000 µg/ml in Methanol	1 ml	CL40.0563.0001
72-20-8	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0505.0001 CL40.0505.0005
72-20-8	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0577.0002
Endrin aldehyde standard solution			
7421-93-4	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0507.0001 CL40.0507.0005
Endrin Ketone standard solution			
53494-70-5	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0506.0001 CL40.0506.0005
Epichlorhydrin standard solution			
106-89-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0527.0001
Epoxiconazole standard solution			
133855-98-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0528.0001
Eprinomectin standard solution			
123997-26-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0529.0001
Erbon standard solution			
136-25-4	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0531.0001
Esbiothrin standard solution			
84030-86-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0532.0001
Esfenvalerate standard solution			
66230-04-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0533.0001
Esfenvalerate free acid metabolite standard solution			
55332-38-2	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0534.0001
Esprocarb standard solution			
85785-20-2	Solution contains 10 µg/ml in Acetone	1 ml	CL40.0535.0001
17-α-Estradiol standard solution			
57-91-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0536.0001
17-beta-Estradiol standard solution			
50-28-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0537.0001
17-beta-Estradiol 17-acetate standard solution			
1743-60-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0538.0001
Estriol standard solution			
50-27-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0539.0001
Estrone standard solution			
53-16-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0540.0001
Ethanethiol standard solution			
75-08-1	Solution contains 5000 µg/ml in Methanol	1 ml	CL40.0519.0001

Ethanol standard solution

64-17-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0511.0001 CL40.0511.0005

Ethephon standard solution

16672-87-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0541.0001

17alpha-Ethinylestradiol standard solution

57-63-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0542.0001

Ethiofencarb standard solution

29973-13-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0543.0001

Ethion standard solution

563-12-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0509.0001 CL40.0509.0005

Ethofumesate standard solution

26225-79-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0544.0001

Ethofumesate-2-keto standard solution

26244-33-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0545.0001

Ethoxyquin standard solution

91-53-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0546.0001

Ethyl acetate standard solution

141-78-6	Solution contains 10% Ethyl acetate in Ethanol	1 ml	CL40.0562.0001
141-78-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0510.0001 CL40.0510.0005

Ethyl acrylate standard solution

140-88-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0520.0001
140-88-5	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0182.0001

Ethyl benzene standard solution

100-41-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0512.0001 CL40.0512.0005
100-41-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0513.0001 CL40.0513.0005

Ethylbenzene-D10 standard solution

25837-05-2	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0547.0001

Ethylenediamine standard solution

107-15-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0548.0001

Ethylene glycol standard solution

107-21-1	Solution contains 1000 mg/l in de-inoized Water	1 ml 5 ml	CL40.0514.0001 CL40.0514.0005

Ethyleneglycoldinitrate standard solution

628-96-6	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0549.0001

Ethyleneoxide standard solution			
75-21-8	Solution contains 1000 µg/ml in Ethanol	1 ml	CL40.0572.0001
75-21-8	Solution contains 10 µg/ml in Ethanol	1 ml	CL40.0567.0001
Ethyl ether standard solution			
60-29-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0515.0001 CL40.0515.0005
Ethyl methacrylate standard solution			
97-63-2	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0516.0001 CL40.0516.0005
Ethyl methanesulfonate standard solution			
62-50-0	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0517.0001 CL40.0517.0005
2-Ethyl-6-methylaniline standard solution			
24549-06-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0550.0001
Ethyl methyl sulfide standard solution			
624-89-5	Solution contains 2000 µg/ml in Toluene	1 ml	CL40.0561.0001
2-Ethylphenol standard solution			
90-00-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0551.0001
3-Ethylphenol standard solution			
620-17-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0552.0001
4-Ethylphenol standard solution			
123-07-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0553.0001
Ethyl tert Butyl Ether standard solution			
637-92-3	Solution contains 5000 µg/ml in Methanol	1 ml	CL40.0521.0001
637-92-3	Solution contains 100 µg/ml in Methanol	5 ml	CL40.0518.0005
2-Ethyltoluene standard solution			
611-14-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0554.0001
3-Ethyltoluene standard solution			
620-14-4	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0555.0001
4-Ethyltoluene standard solution			
622-96-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0556.0001
Etofenprox standard solution			
80844-07-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0557.0001
Etoxazole standard solution			
153233-91-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0558.0001
Etrofol (CPMC) standard solution			
3942-54-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0560.0001
Famoxadone standard solution			
131807-57-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0616.0001

Famphur standard solution			
52-85-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0601.0001 CL40.0601.0005
Fenamidone standard solution			
161326-34-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0617.0001
Fenamiphos standard solution			
22224-92-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0618.0001
Fenarimol standard solution			
60168-88-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0602.0001 CL40.0602.0005
Fenazaquin standard solution			
120928-09-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0619.0001
Fenbuconazole standard solution			
114369-43-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0620.0001
Fenchlorophos standard solution			
299-84-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0603.0001 CL40.0603.0005
Fenchlorphos-oxon standard solution			
3983-45-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0621.0001
Fenitrothion standard solution			
122-14-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0677.0001
122-14-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0604.0001 CL40.0604.0005
Fenitrothion-oxon standard solution			
2255-17-6	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL40.0622.0001
Fenoterol hydrobromide standard solution			
1944-12-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0623.0001
Fenothiocarb standard solution			
62850-32-2	Solution contains 100 µg/ml in Toluene	1 ml	CL40.0624.0001
Fenoxaprop standard solution			
95617-09-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0625.0001
Fenoxycarb standard solution			
72490-01-8	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.0626.0001
Fenpropathrin standard solution			
39515-41-8	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.0627.0001
Fenpropidin standard solution			
67306-00-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0628.0001
(E)-Fenpyroximate standard solution			
111812-58-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0629.0001

Fensulfothion standard solution			
115-90-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0605.0001 CL40.0605.0005
Fensulfothion-oxon standard solution			
6552-21-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0630.0001
Fensulfothion-oxon-sulfone standard solution			
6132-17-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0631.0001
Fenthion standard solution			
55-38-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0606.0001 CL40.0606.0005
Fenthion-sulfone standard solution			
3761-42-0	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.0635.0001
Fenthion-sulfoxide standard solution			
3761-41-9	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0636.0001
Fentrazamide Metabolite 1 standard solution			
98377-35-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0637.0001
Fenuron standard solution			
101-42-8	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0607.0001 CL40.0607.0005
Ferimzone standard solution			
89269-64-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0638.0001
Fipronil standard solution			
120068-37-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0639.0001
Fipronil des F3 standard solution			
154807-27-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0640.0001
Fipronil-carboxamide standard solution			
205650-69-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0641.0001
Fipronil-desulfinyl standard solution			
205650-65-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0642.0001
Fipronil-sulfide standard solution			
120067-83-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0643.0001
Fipronil-sulfone standard solution			
120068-36-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0644.0001
Flocoumafen standard solution			
90035-08-8	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0645.0001
Flonicamid standard solution			
158062-67-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0646.0001
Fluacrypyrim standard solution			
229977-93-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0647.0001

Fluazifop-butyl standard solution			
69806-50-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0648.0001
Fluazinam standard solution			
79622-59-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0676.0001
Flucythrinate standard solution			
70124-77-5	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.0649.0001
Fludioxonil standard solution			
131341-86-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0650.0001
Fluenetil standard solution			
4301-50-2	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0651.0001
Flufenoxuron standard solution			
101463-69-8	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0652.0001
Flufenzine standard solution			
162320-67-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0653.0001
Flumethrin standard solution			
69770-45-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0654.0001
Flumetralin standard solution			
62924-70-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0655.0001
Fluometuron standard solution			
2164-17-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0608.0001 CL40.0608.0005
Fluopicolide standard solution			
239110-15-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0656.0001
Fluoranthene standard solution			
206-44-0	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0609.0001 CL40.0609.0005
206-44-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.0615.0001 CL40.0615.0005
206-44-0	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0610.0001 CL40.0610.0005
Fluorene standard solution			
86-73-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0611.0001 CL40.0611.0005
86-73-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0612.0001 CL40.0612.0005
Fluoridamid standard solution			
47000-92-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0657.0001
Fluorobenzene standard solution			
462-06-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0613.0001 CL40.0613.0005
462-06-6	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0682.0001

2-Fluorobiphenyl standard solution			
321-60-8	Solution contains 2000 µg/ml in Cyclohexane	1 ml	CL40.0658.0001
1-Fluoronaphthalene standard solution			
321-38-0	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.0659.0001
2-Fluoronaphthalene standard solution			
323-09-1	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.0660.0001
Fluoropentachloroethane standard solution			
354-56-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0661.0001
2-Fluorophenol standard solution			
367-12-4	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0614.0001 CL40.0614.0005
4-Fluoro-3-phenoxy benzoic acid standard solution			
77279-89-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0662.0001
1-Fluoro-1,1,2-trichloroethane standard solution			
811-95-0	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0663.0001
Flurochloridone standard solution			
61213-25-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0664.0001
Fluroxypyr standard solution			
69377-81-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0665.0001
Flusilazole standard solution			
85509-19-9	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.0666.0001
85509-19-9	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL40.0678.0002
Flutriafol standard solution			
76674-21-0	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0667.0001
tau-Fluvalinate standard solution			
102851-06-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0668.0001
Folpet standard solution			
133-07-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0669.0001
Formaldehyde-2,4-dinitrophenylhydrazone standard solution			
1081-15-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0670.0001
Formic acid (Methanoic acid) standard solution			
64-18-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0671.0001
Formic acid methyl ester standard solution			
107-31-3	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0672.0001
Formothion standard solution			
2540-82-1	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0673.0001
Fosthiazate standard solution			
98886-44-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0674.0001

Furathiocarb standard solution			
65907-30-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0675.0001
(±)-Geosmin standard solution			
16423-19-1	Solution contains 100 µg/ml in Methanol - Keep at -20°C	1 ml	CL40.0706.0001
Glufosinate ammonium standard solution			
77182-82-2	Solution contains 100 µg/ml in de-ionized Water	1 ml	CL40.0707.0001
Glycerin standard solution			
56-81-5	Solution contains 500 µg/ml in Pyridine	2 ml	CL40.0703.0002
Glyphosate standard solution			
1071-83-6	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL40.0708.0001
Glyphosate-N-nitroso mono sodium salt standard solution			
56516-71-3	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL40.0709.0001
Glyphosine standard solution			
2439-99-8	Solution contains 10 µg/ml in Methanol	1 ml	CL40.0710.0001
Guazatine triacetate standard solution			
115044-19-4	Solution contains 10 µg/ml in Methanol	1 ml	CL40.0711.0001
Guthion Ethyl standard solution			
2642-71-9	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0701.0001 CL40.0701.0005
Guthion® standard solution			
86-50-0	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.0702.0001 CL40.0702.0005
gamma-HCH 13C6 standard solution			
104215-85-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0831.0001
alpha-HCH-D6 standard solution			
86194-41-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0829.0001
gamma-HCH-D6 standard solution			
60556-82-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0830.0001
(+) α-HCH standard solution			
119911-69-2	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0826.0001
(-) alpha-HCH standard solution			
119911-70-5	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0827.0001
alpha-HCH-13C6 standard solution			
222966-66-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0828.0001
HHCB (Galaxolide) standard solution			
1222-05-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0865.0001
Halofuginone lactate standard solution			**NEW**
82186-71-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0825.0001

Heneicosane standard solution			
629-98-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0880.0001
Hentriacontane standard solution			
630-04-6	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0883.0001
Heptachlor standard solution			
76-44-8	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0801.0001 CL40.0801.0005
76-44-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0892.0001
(+)-Heptachlor standard solution			
74867-72-4	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0833.0001
(-) Heptachlor standard solution			
74867-73-5	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0834.0001
Heptachlor epoxide (Isomer A) standard solution			**NEW**
28044-83-9	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0873.0001
28044-83-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0837.0001
(-)-cis-Heptachlorepoxide standard solution			
145213-11-2	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0836.0001
(+)-cis-Heptachlorepoxide standard solution			
66429-34-3	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0835.0001
Heptachlor epoxide (Isomer B) standard solution			
1024-57-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0821.0001
1024-57-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0874.0001
1024-57-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0802.0001 CL40.0802.0005
1024-57-3	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.0877.0001
(+)-trans-Heptachlorepoxide standard solution			
145213-12-3	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0838.0001
(-)-trans-Heptachlorepoxide standard solution			
76986-14-6	Solution contains 1 µg/ml in Cyclohexane	1 ml	CL40.0839.0001
Heptachlor epoxide (Isomer B) standard solution			
1024-57-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0823.0001
beta,beta,2,3,4,5,6-Heptachlorostyrene standard solution			
29082-75-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0842.0001
(E)-alpha,beta,2,3,4,5,6-Heptachlorostyrene standard solution			
29086-38-2	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0840.0001
(Z)-alpha,beta,2,3,4,5,6-Heptachlorostyrene standard solution			
29086-39-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0841.0001

Heptacosane standard solution			
593-49-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0882.0001
n-Heptadecane (17C) standard solution			
629-78-7	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL40.0843.0001
629-78-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0879.0001
10-Heptadecenoic acid methyl ester standard solution			
75190-82-8	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0887.0001
Heptanoic acid standard solution			
111-14-8	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0844.0001
Heptanoic acid methyl ester standard solution			
106-73-0	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0845.0001
1-Heptanol standard solution			
111-70-6	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0846.0001
2-Heptanol standard solution			
543-49-7	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0847.0001
2-Heptanone standard solution			
110-43-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0848.0001
3-Heptanone standard solution			
106-35-4	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0849.0001
4-Heptanone standard solution			
123-19-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0850.0001
Heptatriacontane standard solution			
7194-84-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0885.0001
Heptenophos standard solution			
23560-59-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0851.0001
Hexabromobenzene standard solution			
87-82-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0852.0001
Hexabromobiphenyl standard solution			
59536-65-1	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0712.0001
13C-Hexachlorobenzene standard solution			
93952-14-8	Solution contains 1000 µg/ml in n-Nonane	1 ml	CL40.0822.0001
Hexachlorobenzene (HCB) standard solution			**NEW**
118-74-1	Solution contains 1000 µg/ml in Acetone	1 ml	CL40.0875.0001
118-74-1	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0803.0001 CL40.0803.0005
118-74-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0804.0001 CL40.0804.0005
118-74-1	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0891.0002

Hexachloro-1,3-butadiene standard solution			
87-68-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0805.0001 CL40.0805.0005
87-68-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.0824.0001
87-68-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0806.0001 CL40.0806.0005
Hexachlorocyclopentadiene standard solution			
77-47-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0807.0001 CL40.0807.0005
77-47-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0808.0001 CL40.0808.0005
Hexachloroethane standard solution			
67-72-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0809.0001 CL40.0809.0005
67-72-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0810.0001 CL40.0810.0005
Hexachlorophene standard solution			
70-30-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0811.0001 CL40.0811.0005
Hexachloropropene standard solution			
1888-71-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0812.0001 CL40.0812.0005
alpha-2,3,4,5,6-Hexachlorostyrene standard solution			
68705-15-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0853.0001
(E)-beta-2,3,4,5,6-Hexachlorostyrene standard solution			
90301-92-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0854.0001
(Z)-beta-2,3,4,5,6-Hexachlorostyrene standard solution			
90301-93-2	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0871.0001
Hexaconazole standard solution			
79983-71-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0855.0001
n-Hexacosane (C26) standard solution			
630-01-3	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0813.0001 CL40.0813.0005
630-01-3	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0881.0001
n-Hexadecane (16C) standard solution			
544-76-3	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0878.0001
544-76-3	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0814.0001 CL40.0814.0005
Hexafluoro-2-methyl-2-propanol standard solution			
1515-14-6	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0815.0001 CL40.0815.0005
Hexafluoropropene standard solution			
116-15-4	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0856.0001

Hexanal standard solution			
66-25-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0857.0001
n-Hexane standard solution			
110-54-3	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.0817.0001 CL40.0817.0005
Hexanitrodiphenylamine (Hexyl) standard solution			
131-73-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.0858.0001
Hexanoic acid methyl ester standard solution			
106-70-7	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0859.0001
1-Hexanol standard solution			
111-27-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0860.0001
2-Hexanol standard solution			
626-93-7	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0861.0001
3-Hexanol standard solution			
623-37-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0862.0001
2-Hexanone standard solution			
591-78-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0818.0001 CL40.0818.0005
Hexatriacontane standard solution			
630-06-8	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.0884.0001
cis-3-Hexenyl acetate standard solution			
3681-71-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0863.0001
Hexyl 2-ethylhexyl phthalate standard solution			
75673-16-4	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.0819.0001 CL40.0819.0005
Hexythiazox standard solution			
78587-05-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0864.0001
3-Hydroxycarbofuran standard solution			
1655-82-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0820.0001 CL40.0820.0005
Hydroxymethyl phosphonic acid standard solution			
2617-47-2	Solution contains 10 µg/ml in de-inoized Water	1 ml	CL40.0866.0001
21-Hydroxyprogesterone standard solution			
64-85-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0869.0001
17-alpha-Hydroxyprogesterone standard solution			
68-96-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0867.0001
17-alpha-Hydroxyprogesterone 17-acetate standard solution			
302-23-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0868.0001

21-Hydroxyprogesterone acetate standard solution			
56-47-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0870.0001
Imazalil standard solution			
35554-44-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0915.0001
Imazamethabenz (free acid) standard solution			
100728-84-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0916.0001
Imazamethabenz-methyl standard solution			
81405-85-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0917.0001
Imidacloprid standard solution			
138261-41-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0918.0001
Imidan® standard solution			
732-11-6	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.0901.0001 CL40.0901.0005
Imiprothrin standard solution			
72963-72-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0919.0001
Inabenfide standard solution			
82211-24-3	Solution contains 10 µg/ml in Methanol	1 ml	CL40.0920.0001
Indeno(1,2,3-C.D) pyrene standard solution			
193-39-5	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.0902.0001 CL40.0902.0005
193-39-5	Solution contains 200 µg/ml in Methanol	1 ml	CL40.0942.0001
Indoxacarb standard solution			NEW
173584-44-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0941.0001
Internal Standard standard solution			
765-43-5	Solution contains 1000 µg/ml in de-inoized Water	1 ml	CL40.0940.0001
Iodofenphos standard solution			
18181-70-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0921.0001
Iodoform standard solution			
75-47-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0943.0001
Ioxynil standard solution			
1689-83-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0922.0001
Ipconazole standard solution			
125225-28-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0923.0001
Iprodione standard solution			
36734-19-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0924.0001
Isazofos standard solution			
42509-80-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0925.0001

Isobenzan (Telodrin) standard solution

297-78-9	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0926.0001

Isobutyl alcohol standard solution

78-83-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0903.0001 CL40.0903.0005

2-Isobutyl-3-methoxypyrazine standard solution

24683-00-9	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0927.0001

Isocarbofos standard solution

24353-61-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0928.0001

Isodrin standard solution

465-73-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0904.0001 CL40.0904.0005
465-73-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0905.0001 CL40.0905.0005
465-73-6	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL40.0944.0002

Isofenphos standard solution

25311-71-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0929.0001

Isofenphos-des-N-isopropyl standard solution

25205-08-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0931.0001

Isofenphos-des-N-isopropyl-oxon standard solution

31120-83-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0932.0001

Isofenphos-methyl standard solution

99675-03-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0930.0001

Isofenphos-oxon standard solution

31120-85-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.0933.0001

Isophorone standard solution

78-59-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0906.0001 CL40.0906.0005

Isopropyl alcohol standard solution

67-63-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0907.0001 CL40.0907.0005

Isopropylbenzene standard solution

98-82-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0908.0001 CL40.0908.0005
98-82-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0909.0001 CL40.0909.0005

2-Isopropyl-3-methoxypyrazine standard solution

25773-40-4	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0934.0001

2-Isopropylphenol standard solution

88-69-7	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.0913.0001

1-(4-Isopropylphenyl)-3-methylurea standard solution			
34123-57-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0935.0001
2-Isopropylthioxantone standard solution			
5495-84-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0936.0001
p-Isopropyltoluene standard solution			
99-87-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.0910.0001 CL40.0910.0005
99-87-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0911.0001 CL40.0911.0005
Isoproturon standard solution			
34123-59-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.0914.0001
Isoproturon-D6 (dimethyl-D6) standard solution			
217487-17-7	Solution contains 100 µg/ml in Acetone	1 ml	CL40.0937.0001
Isosafrole standard solution			
120-58-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.0912.0001 CL40.0912.0005
Isoxadifen (free acid) standard solution			
209866-92-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.0938.0001
Isoxathion-oxon standard solution			
32306-29-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.0939.0001
Kepone® (Chlordecone) standard solution			
143-50-0	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.1101.0001 CL40.1101.0005
Kresoxim-methyl standard solution			
143390-89-0	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1102.0001
Lasalocid A sodium salt standard solution			
25999-20-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1204.0001
Lenacil standard solution			
2164-08-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1205.0001
Leptophos standard solution			
21609-90-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1201.0001 CL40.1201.0005
Leptophos oxon standard solution			
25006-32-0	Solution contains 10 µg/ml in iso-Octane	1 ml	CL40.1206.0001
Lethane 384 standard solution			
112-56-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1207.0001
Leucomalachite green standard solution			
129-73-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1208.0001
Leucomycin hydrate standard solution			
1392-21-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1209.0001

Single Component Standards

Linuron standard solution

330-55-2	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.1202.0001 CL40.1202.0005
330-55-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1203.0001 CL40.1203.0005

Lufenuron standard solution

103055-07-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1210.0001

MCPA standard solution

94-74-6	Solution contains 10000 µg/ml in Methanol	1 ml	CL41.1339.0001
94-74-6	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.0350.0001 CL40.0350.0005
94-74-6	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1334.0001

MCPB standard solution

94-81-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1358.0001

MGK 264® standard solution

113-48-4	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1332.0001 CL40.1332.0005

MGK 326® standard solution

136-45-8	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1333.0001 CL40.1333.0005

Malathion standard solution

121-75-5	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.1349.0001
121-75-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1301.0001 CL40.1301.0005

Mandipropamid standard solution

374726-62-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1357.0001

Mecarbam standard solution

2595-54-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1359.0001

Meclozolin standard solution NEW

54864-61-8	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1360.0001

Mecoprop standard solution

7085-19-0	Solution contains 10000 µg/ml in Methanol	1 ml	CL41.1340.0001
7085-19-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1302.0001 CL40.1302.0005

Mecoprop-D3 (ring) standard solution

352431-15-3	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1361.0001

Mecoprop methyl ester standard solution

23844-56-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1303.0001 CL40.1303.0005

Mecoprop-methyl ester standard solution

2786-19-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1362.0001

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Medinoterb standard solution			
3996-59-6	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1363.0001
Medroxyprogesterone-17-acetate standard solution			
71-58-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1364.0001
Melamine standard solution			
108-78-1	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1355.0001
Mepiquat iodide-D3 (methyl-D3) standard solution			
29600-30-4	Solution contains 100 µg/ml in Deuteriumoxide	1 ml	CL40.1365.0001
Metaflumizone standard solution			
139968-49-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1366.0001
Metalaxyl-M standard solution			
70630-17-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1346.0001
Metalaxyl standard solution			
57837-19-1	Solution contains 100 µg/ml in Toluene	1 ml	CL40.1367.0001
Metamitron standard solution			
41394-05-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1368.0001
Metamitron-desamino standard solution			
36993-94-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1369.0001
Metazachlor standard solution			
67129-08-2	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1370.0001
Metconazole standard solution			
125116-23-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1371.0001
Methabenzthiazuron standard solution			
18691-97-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1372.0001
Methacrifos standard solution			
62610-77-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1373.0001
Methacrylic acid-butyl ester standard solution			
97-88-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1374.0001
Methacrylonitrile standard solution			
126-98-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1304.0001 CL40.1304.0005
Methamidophos standard solution			
10265-92-6	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.1375.0001

Tailor Made Mixtures can be formulated to meet your special applications.

Methanol standard solution

67-56-1	Solution contains 10000 µg/ml in Rapeseed oil	2 ml	CL40.1807.0002
67-56-1	Solution contains 4000 µg/ml in Rapeseed oil	2 ml	CL40.1806.0002
67-56-1	Solution contains 2000 µg/ml in Rapeseed oil	2 ml	CL40.1805.0002
67-56-1	Solution contains 500 µg/ml in Rapeseed oil	2 ml	CL40.1804.0002
67-56-1	Solution contains 80 µg/ml in Rapeseed oil	2 ml	CL40.1803.0002
67-56-1	Solution contains 10 µg/ml in Rapeseed oil	2 ml	CL40.1802.0002

Methapyrilene hydrochloride standard solution

135-23-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1305.0001 CL40.1305.0005

Methaqualone hydrochloride standard solution

340-56-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1376.0001

Methidathion standard solution

950-37-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1377.0001

Methiocarb standard solution

2032-65-7	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1306.0001 CL40.1306.0005

Methiocarb-sulfone standard solution

2179-25-1	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.1378.0001

Methiocarb-sulfoxide standard solution

2635-10-1	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.1379.0001

Methomyl standard solution

16752-77-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1380.0001
16752-77-5	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1307.0001 CL40.1307.0005

Methomyl-sulfone standard solution

55620-24-1	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1381.0001

Methomyl-sulfoxide standard solution

55620-23-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1382.0001

Methoxychlor standard solution

72-43-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1308.0001 CL40.1308.0005
72-43-5	Solution contains 10 µg/ml in Cyclohexane	2 ml	CL41.1348.0002

3-Methyl cholanthrene standard solution

56-49-5	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.1309.0001 CL40.1309.0005

Methyl stearate standard solution NEW

112-61-8	Solution contains 10 µg/ml in n-Hexane	2 ml	CL41.1343.0002

Methyl acrylate standard solution			
96-33-3	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1310.0001 CL40.1310.0005
Methyl arachidate standard solution			
1120-28-1	Solution contains 2000 µg/ml in n-Hexane - Keep at -20°C	1 ml	CL40.0565.0001
5-Methylbenzo(b)thiophene standard solution			
14315-14-1	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1329.0001
3-Methylbenzo(b)thiophene standard solution			
1455-18-1	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1328.0001
2-Methylbutane standard solution			
78-78-4	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1384.0001
3-Methyl-1-butanol standard solution			
123-51-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1386.0001
2-Methyl-1-butanol standard solution			
137-32-6	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1385.0001
Methyl chloroacetate standard solution			
96-34-4	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1311.0001 CL40.1311.0005
Methylcyclohexane standard solution			
108-87-2	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1387.0001
3-Methylcyclopentadecanone standard solution			
541-91-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1388.0001
Methyl decanoate standard solution			
110-42-9	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.0487.0001
Methyl dibromoacetate standard solution			
6482-26-4	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1312.0001 CL40.1312.0005
Methyl dichloroacetate standard solution			
116-54-1	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1313.0001 CL40.1313.0005
Methyl disulfide standard solution			
624-92-0	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1325.0001
4,4´-Methylene-bis(2-chloroaniline) standard solution			
101-14-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1390.0001
Methylene chloride standard solution			
75-09-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1314.0001 CL40.1314.0005
75-09-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1315.0001 CL40.1315.0005
3-Methylfuran standard solution			
930-27-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1389.0001

Methyl heneicosanoate standard solution			**NEW**
6064-90-0	Solution contains 10000 µg/ml in n-Hexane - Keep at -20°C	1 ml	CL41.1357.0001
Methylheptadecanoate standard solution			**NEW**
1731-92-6	Solution contains 10% m/v in n-Heptane	5 ml 10 ml	CL41.1341.0005 CL41.1341.0010
1731-92-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.0886.0001
1731-92-6	Solution contains 1% m/v in n-Heptane	100 ml	CL41.1347.0100
1731-92-6	Solution contains 10 µg/ml in n-Heptane	2 ml	CL40.1350.0002
Methyl iodide standard solution			
74-88-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1316.0001 CL40.1316.0005
2-Methylisoborneol standard solution			
2371-42-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1391.0001
Methyl laurate standard solution			
111-82-0	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL42.0497.0001
Methyl linoleate standard solution			
112-63-0	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.1528.0001
112-63-0	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.1344.0001
Methyl g-linolenate standard solution			**NEW**
16326-32-2	Solution contains 10000 µg/ml in n-Heptane	1 ml	CL41.1358.0001
Methyl methacrylate standard solution			
80-62-6	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1317.0001 CL40.1317.0005
Methyl methanesulfonate standard solution			
66-27-3	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1318.0001 CL40.1318.0005
Methyl myristate standard solution			
124-10-7	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.2002.0001
2-Methylnaphthalene standard solution			
91-57-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1319.0001 CL40.1319.0005
Methyl octanoate standard solution			
111-11-5	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.1506.0001
Methyl oleate standard solution			
112-62-9	Solution contains 100 µg/ml in n-Heptane	1 ml	CL41.1332.0001
Methyl palmitate standard solution			
112-39-0	Solution contains 100 µg/ml in n-Heptane	1 ml	CL41.1331.0001
Methyl-pentachlorophenyl sulfide standard solution			
1825-19-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1393.0001

2-Methylpentane standard solution			
107-83-5	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1356.0001
4-Methyl-2-pentanone standard solution			
108-10-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1321.0001 CL40.1321.0005
108-10-1	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1394.0001
2-Methyl-1-pentene standard solution			
763-29-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1395.0001
2-Methylphenol standard solution			
95-48-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1323.0001 CL40.1323.0005
4-Methylphenol (p-cresol) standard solution			
106-44-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1324.0001 CL40.1324.0005
106-44-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1325.0001 CL40.1325.0005
2-Methylphenol-D8 standard solution			
203645-65-2	Solution contains 1000 µg/ml in Toluene	1 ml	CL40.1343.0001
3-Methylphosphinicopropionic acid standard solution			
15090-23-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1396.0001
6-alpha-Methylprednisolone standard solution			
83-43-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1397.0001
2-Methyl-1-propanethiol standard solution			
513-44-0	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1330.0001
2-Methyl-2-propanethiol standard solution			
75-66-1	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1324.0001
2-Methylpropene standard solution			
115-11-7	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1342.0001
Methyl stearate standard solution			
112-61-8	Solution contains 1 µg/ml in n-Hexane	2 ml	CL41.1322.0002
alpha-Methylstyrene standard solution			
98-83-9	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1398.0001
trans-beta-Methylstyrene standard solution			
873-66-5	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1399.0001
Methyl sulfide standard solution			
75-18-3	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1323.0001
Methyl-tert-amylether standard solution			
994-05-8	Solution contains 10 µg/ml in Methanol	1 ml	CL40.1383.0001

2-Methyl-4-tert-octylphenol standard solution

2219-84-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1392.0001

S-Methyltestosterone standard solution

87392-12-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1302.0001

17-alpha-Methyltestosterone standard solution

58-18-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1301.0001

2-Methyl thiophene standard solution

554-14-3	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1326.0001

3-Methyl thiophene standard solution

616-44-4	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1327.0001

Methyl tribromoacetate standard solution

3222-05-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1326.0001 CL40.1326.0005

Methyltrichloroacetate standard solution

598-99-2	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1327.0001 CL40.1327.0005

Metobromuron standard solution

3060-89-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1344.0001

Metolachlor standard solution

51218-45-2	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.1328.0001 CL40.1328.0005
51218-45-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1329.0001 CL40.1329.0005

Metolachlor-2-hydroxy standard solution

131068-72-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1303.0001

(E)-Metominostrobin standard solution

133408-50-1	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1304.0001

(Z)-Metominostrobin standard solution

133408-51-2	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1305.0001

Metoxuron standard solution

19937-59-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1345.0001

Metoxuron-monomethyl standard solution

20782-57-4	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL41.1306.0001

Metribuzin standard solution

21087-64-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1330.0001 CL40.1330.0005

Metribuzin-desamino standard solution

35045-02-4	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1307.0001

Metribuzin-desamino-diketo standard solution

52236-30-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1308.0001

Metribuzin-diketo standard solution			
56507-37-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1309.0001
Metsulfuron-methyl standard solution			
74223-64-6	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.1310.0001
E-Mevinphos (cis-butenoic acid) standard solution			
26718-65-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1311.0001
Z-Mevinphos (trans-butenoic acid) standard solution			
338-45-4	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1312.0001
Mexacarbate (Zectran) standard solution			
315-18-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1331.0001 CL40.1331.0005
Mirex standard solution			
2385-85-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1334.0001 CL40.1334.0005
2385-85-5	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1345.0001
Molinate standard solution			
2212-67-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1335.0001 CL40.1335.0005
Monocrotophos standard solution			
6923-22-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1336.0001 CL40.1336.0005
Monolinuron standard solution			
1746-81-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1346.0001
Monoolein standard solution			
111-03-5	Solution contains 5000 µg/ml in Pyridine - Keep at -20°C	2 ml	CL40.1347.0002
Monopalmitin standard solution			
542-44-9	Solution contains 5000 µg/ml in Pyridine	2 ml	CL40.1348.0002
Monuron standard solution			
150-68-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1338.0001 CL40.1338.0005
Monuron-D6 standard solution			
217488-65-8	Solution contains 100 µg/ml in Acetone	1 ml	CL41.1313.0001
Musk MC4 standard solution			
54982-83-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1317.0001
Musk NN standard solution			
105-95-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1318.0001
Musk ambrette standard solution			
83-66-9	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1314.0001
Musk ketone standard solution			
81-14-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1315.0001

Single Component Standards

Musk moskene standard solution

116-66-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1316.0001

Musk xylene standard solution

81-15-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1319.0001

Naphthalene standard solution

91-20-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1401.0001 CL40.1401.0005
91-20-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1402.0001 CL40.1402.0005

Naphthalene-D8 standard solution

1146-65-2	Solution contains 2000 µg/ml in iso-Octane	1 ml 5 ml	CL40.1403.0001 CL40.1403.0005
1146-65-2	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL40.1483.0001

1-Naphthol standard solution

90-15-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.1440.0001

1,4-Naphthoquinone standard solution

130-15-4	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.1404.0001 CL40.1404.0005

1-Naphthylamine standard solution

134-32-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1405.0001 CL40.1405.0005

2-Naphthylamine standard solution

91-59-8	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1406.0001 CL40.1406.0005

Naproanilide standard solution

52570-16-8	Solution contains 10 µg/ml in Acetone	1 ml	CL40.1444.0001

Neburon standard solution

555-37-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1407.0001 CL40.1407.0005

Nicotine standard solution

54-11-5	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1445.0001

2-Nitroaniline standard solution

88-74-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1409.0001 CL40.1409.0005

3-Nitroaniline standard solution

99-09-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1408.0001 CL40.1408.0005

4-Nitroaniline standard solution

100-01-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1410.0001 CL40.1410.0005

Nitrobenzene standard solution

98-95-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1411.0001 CL40.1411.0005

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Nitrobenzene-D5 standard solution			
4165-60-0	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.1412.0001 CL40.1412.0005
Nitrofen standard solution			
1836-75-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1413.0001 CL40.1413.0005
Nitroglycerin standard solution			
55-63-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1447.0001
Nitroguanidine standard solution			
556-88-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1448.0001
2-Nitrophenol standard solution			
88-75-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1414.0001 CL40.1414.0005
88-75-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1415.0001 CL40.1415.0005
4-Nitrophenol standard solution			
100-02-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1416.0001 CL40.1416.0005
100-02-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1417.0001 CL40.1417.0005
100-02-7	Solution contains 0.1% in de-inoized Water	500 ml	CL40.1476.0500
4-Nitrophenol-2,3,5,6-D4 standard solution			
93951-79-2	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1449.0001
2-Nitropropane standard solution			
79-46-9	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1450.0001
4-Nitroquinoline-N-oxide standard solution			
56-57-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1418.0001 CL40.1418.0005
N-Nitrosoanabasine standard solution			
1133-64-8	Solution contains 10 µg/ml in Methanol/Dichloromethane (1/1)	1 ml	CL40.1451.0001
N-Nitrosoanatabine standard solution			
71267-22-6	Solution contains 10 µg/ml in Methanol/Dichloromethane (1/1)	1 ml	CL40.1452.0001
N-Nitrosodi-n-butylamine standard solution			
924-16-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1419.0001 CL40.1419.0005
N-Nitrosodiethylamine standard solution			
55-18-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1420.0001 CL40.1420.0005
N-Nitroso-di-iso-propylamine standard solution			
601-77-4	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1454.0001

Single Component Standards

N-Nitrosodimethylamine standard solution

62-75-9	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1421.0001 CL40.1421.0005
62-75-9	Solution contains 200 µg/ml in Methanol	1 ml	CL40.1481.0001
62-75-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1422.0001 CL40.1422.0005

N-Nitroso-dimethylamine-D6 standard solution

17829-05-9	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1453.0001

N-Nitrosodiphenylamine standard solution

86-30-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1423.0001 CL40.1423.0005
86-30-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1424.0001 CL40.1424.0005

N-Nitrosodi-n-propylamine standard solution

621-64-7	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1425.0001 CL40.1425.0005
621-64-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1426.0001 CL40.1426.0005

N-Nitroso-di-n-propylamine-D14 standard solution

93951-96-3	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1455.0001

N-Nitrosomethylethylamine standard solution

10595-95-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1427.0001 CL40.1427.0005

N-Nitrosomorpholine standard solution

59-89-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1428.0001 CL40.1428.0005

N-Nitrosonornicotine standard solution

16543-55-8	Solution contains 10 µg/ml in Methanol/Dichloromethane (1/1)	1 ml	CL40.1456.0001

N-Nitrosonornicotine ketone standard solution

64091-91-4	Solution contains 10 µg/ml in Methanol/Dichloromethane (1/1)	1 ml	CL40.1457.0001

N-Nitrosopiperidine standard solution

100-75-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1429.0001 CL40.1429.0005

N-Nitrosopyrrolidine standard solution

930-55-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1430.0001 CL40.1430.0005

2-Nitrotoluene standard solution

88-72-2	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1431.0001 CL40.1431.0005

4-Nitrotoluene standard solution

99-99-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1432.0001 CL40.1432.0005

4-Nitrotoluene-2-sulfonic acid standard solution

121-03-9	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1459.0001

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

2-Nitrotoluene-4-sulfonic acid standard solution			
97-06-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1458.0001
5-Nitro-o-toluidine standard solution			
99-55-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1433.0001 CL40.1433.0005
cis-Nonachlor standard solution			
5103-73-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1435.0001 CL40.1435.0005
trans-Nonachlor standard solution			
39765-80-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1434.0001 CL40.1434.0005
Nonacosane standard solution			
630-03-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1479.0001
Nonadecane standard solution			
629-92-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1478.0001
trans-2, cis-6-Nonadienal standard solution			
557-48-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1460.0001
Nonane standard solution			
111-84-2	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1477.0001
Nonanoic acid standard solution			
112-05-0	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.1461.0001
Nonanoic acid methyl ester standard solution			
1731-84-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.1462.0001
1-Nonanol standard solution			
143-08-8	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1463.0001
Nonatriacontane standard solution			
7194-86-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1480.0001
1-Nonene standard solution			
124-11-8	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1464.0001
tert-Nonylmercaptan standard solution			
25360-10-5	Solution contains 100 µg/g S in Toluene/iso-Octane	20 ml	CL40.1443.0020
4-n-Nonylphenol standard solution			
104-40-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1465.0001
4-Nonylphenol Ethoxylate standard solution			
26027-38-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1438.0001
4-n-Nonylphenol acetate standard solution			
32604-44-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1466.0001
4-Nonylphenol-di-ethoxylate standard solution			
20427-84-3	Solution contains 10 µg/ml in Acetone	1 ml	CL40.1467.0001

4-Nonylphenol-mono-ethoxylate standard solution			
104-35-8	Solution contains 10 µg/ml in Methanol	1 ml	CL40.1468.0001
4-Nonylphenoxy-acetic acid standard solution			
3115-49-9	Solution contains 10 µg/ml in Acetone	1 ml	CL40.1469.0001
Norbormide standard solution			
991-42-4	Solution contains 10 µg/ml in Methanol	1 ml	CL40.1470.0001
Norflurazon-desmethyl standard solution			
23576-24-1	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL40.1471.0001
Norflurazon® standard solution			
27314-13-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1436.0001 CL40.1436.0005
19-Nortestosterone standard solution			
434-22-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1472.0001
19-Nortestosterone 17-decanoate standard solution			
360-70-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1473.0001
19-Nortestosterone 17-propionate standard solution			
7207-92-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1474.0001
Novaluron standard solution			
116714-46-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1475.0001
Octachlorostyrene standard solution			
29082-74-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1504.0001
n-Octacosane (C28) standard solution			
630-02-4	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1501.0001 CL40.1501.0005
630-02-4	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1525.0001
Octadecane standard solution			
593-45-3	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1524.0001
9,12,15-Octadecatrienoic acid methyl ester standard solution			
301-00-8	Solution contains 2000 µg/ml in n-Hexane - Keep at -20°C	1 ml	CL40.1529.0001
Octafluoronaphthalene standard solution			
313-72-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1505.0001
Octane standard solution			
111-65-9	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1523.0001
1-Octanol standard solution			
111-87-5	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1507.0001
2-Octanol standard solution			
123-96-6	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1508.0001

Octatriacontane standard solution			
7194-85-6	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.1526.0001
Octogen standard solution			
2691-41-0	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1509.0001
Octylamine standard solution			
111-86-4	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1510.0001
4-Octylphenol standard solution			
1806-26-4	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.1503.0001
Ofurace standard solution			
58810-48-3	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.1512.0001
Oleandomycin phosphate dihydrate standard solution			
7060-74-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1513.0001
Omethoate standard solution			
1113-02-6	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1514.0001
Orysastrobin standard solution			
248593-16-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1515.0001
Oxacycloheptadec-8-en-2-one standard solution			
123-69-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1516.0001
Oxacyclohexadecen-2-one (technical) standard solution			
34902-57-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1517.0001
Oxadiazon standard solution			
19666-30-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1518.0001
Oxadixyl standard solution			
77732-09-3	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1519.0001
Oxamyl standard solution			
23135-22-0	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1502.0001 CL40.1502.0005
Oxamyl-oxime standard solution			
30558-43-1	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1522.0001
Oxfendazole standard solution			
53716-50-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1520.0001
Oxpoconazole fumarate standard solution			
174212-12-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1521.0001
Oxyfluorfen standard solution			**NEW**
42874-03-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1527.0001
PBDE 15 standard solution			
2050-47-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1659.0001

Single Component Standards

PBDE 209 standard solution				
1163-19-5	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1660.0001	
PCB 209 standard solution				
2051-24-3	Solution contains 2000 µg/ml in iso-Octane (Sonicate to solve)	1 ml	CL40.1644.0001	
2051-24-3	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.1643.0001	
2051-24-3	Solution contains 10 µg/ml in iso-Octane	10 ml	CL42.1606.0010	
2051-24-3	Solution contains 10 µg/ml in n-Heptane	10 ml	CL42.1617.0010	
PCB 198 standard solution				
68194-17-2	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.1612.0001	
68194-17-2	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL41.1651.0001	
PCB 196 standard solution				
42740-50-1	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1697.0001	
PCB 189 standard solution				**NEW**
35065-31-9	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1654.0002	
PCB 187 standard solution				
52663-68-0	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1696.0001	
PCB 184 standard solution				
74472-48-3	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1695.0001	
PCB 183 standard solution				
52663-59-1	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1694.0001	
PCB 180 standard solution				
35065-29-3	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1693.0001	
35065-29-3	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1648.0001	
35065-29-3	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.1653.0001	
PCB 170 standard solution				
35065-30-6	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1692.0001	
35065-30-6	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1652.0002	
PCB 169 standard solution				**NEW**
32774-16-6	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1659.0002	
PCB 167 standard solution				**NEW**
52663-72-6	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1658.0002	
PCB 156 standard solution				
38380-08-4	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1691.0001	
38380-08-4	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1657.0002	
PCB 153 standard solution				
35065-27-1	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1690.0001	
35065-27-1	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1647.0001	

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

PCB 138 standard solution			
35065-28-2	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1689.0001
35065-28-2	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1646.0001
35065-28-2	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1655.0002
PCB 128 standard solution			
38380-07-3	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1688.0001
PCB 126 standard solution			**NEW**
57465-28-8	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1666.0002
PCB 123 standard solution			**NEW**
65510-44-3	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1665.0002
PCB 121 standard solution			
56558-18-0	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.1610.0001
PCB 118 standard solution			
31508-00-6	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1664.0002
31508-00-6	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1663.0002
31508-00-6	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1687.0001
31508-00-6	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1645.0001
PCB 114 standard solution			
74472-37-0	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1662.0002
PCB 110 standard solution			
38380-03-9	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1686.0001
PCB 107 standard solution			
70424-68-9	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.1611.0001
PCB 105 standard solution			
32598-14-4	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1685.0001
32598-14-4	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1661.0002
PCB 103 standard solution			**NEW**
60145-21-3	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL41.1650.0001
PCB 101 standard solution			
37680-73-2	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1684.0001
37680-73-2	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1644.0001
37680-73-2	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1660.0002
PCB 99 standard solution			
38380-01-7	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1683.0001
PCB 87 standard solution			
38380-02-8	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1682.0001

PCB 77 standard solution			**NEW**
32598-13-3	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1669.0002
PCB 74 standard solution			
32690-93-0	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1681.0001
PCB 70 standard solution			
32598-11-1	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1680.0001
PCB 66 standard solution			
32598-10-0	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1679.0001
PCB 52 standard solution			
35693-99-3	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1678.0001
35693-99-3	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1643.0001
35693-99-3	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1668.0002
PCB 49 standard solution			
41464-40-8	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1677.0001
PCB 44 standard solution			
41464-39-5	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1676.0001
PCB 31 standard solution			
16606-02-3	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1675.0001
PCB 30 standard solution			
35693-92-6	Solution contains 10 µg/ml in iso-Octane	10 ml	CL42.1607.0010
35693-92-6	Solution contains 100 µg/ml in iso-Octane	1 ml	CL42.1608.0001
PCB 28 standard solution			
7012-37-5	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1674.0001
7012-37-5	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1642.0001
7012-37-5	Solution contains 100 µg/ml in n-Hexane	2 ml	CL41.1670.0002
PCB 18 standard solution			
37680-65-2	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1673.0001
PCB 8 standard solution			
34883-43-7	Solution contains 10 µg/ml in n-Hexane	1 ml	CL41.1672.0001
Paclobutrazol standard solution			
76738-62-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1654.0001
Paraoxon-ethyl standard solution			
311-45-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1655.0001
Paraquat dichloride standard solution			
1910-42-5	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL40.1656.0001

Parathion-ethyl standard solution			
56-38-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1601.0001 CL40.1601.0005
56-38-2	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.1650.0001
Parathion-ethyl-D10 (diethyl-D10) standard solution			
350820-04-1	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1657.0001
Parathion-methyl standard solution			
298-00-0	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.1649.0001
298-00-0	Solution contains 1000 µg/ml in Acetone	1 ml	CL41.1333.0001
298-00-0	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1320.0001 CL40.1320.0005
Parathion-methyl-D6 (dimethyl-D6) standard solution			
96740-32-8	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1658.0001
Penconazole standard solution			
66246-88-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1661.0001
Pendimethalin standard solution			
40487-42-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1662.0001
Penicilline V potassium salt standard solution			
132-98-9	Solution contains 100 µg/ml in de-inoized Water	1 ml	CL40.1663.0001
Penoxsulam standard solution			
219714-96-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1664.0001
Pentachloroaniline standard solution			
527-20-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1665.0001
Pentachloroanisole standard solution			
1825-21-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1602.0001 CL40.1602.0005
Pentachlorobenzene standard solution			
608-93-5	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1603.0001 CL40.1603.0005
608-93-5	Solution contains 100 µg/ml in Methanol	1 ml	CL42.1609.0001
Pentachloroethane standard solution			
76-01-7	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1666.0001
Pentachloronitrobenzene standard solution			
82-68-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1604.0001 CL40.1604.0005
82-68-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1605.0001 CL40.1605.0005

Single Component Standards

Pentachlorophenol standard solution

87-86-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1606.0001 CL40.1606.0005
87-86-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1607.0001 CL40.1607.0005

13C-Pentachlorophenol standard solution

85380-74-1	Solution contains 1000 µg/ml in n-Nonane	1 ml	CL40.1647.0001

Pentachlorophenol acetate standard solution

1441-02-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1667.0001

2,3,4,5,6-Pentachlorostyrene standard solution

14992-81-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1668.0001

Pentacosane standard solution

629-99-2	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.1699.0001

n-Pentadecane (15C) standard solution

629-62-9	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL40.1669.0001
629-62-9	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.1698.0001

Pentadecanoic acid methyl ester standard solution

7132-64-1	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL42.1603.0001

10-Pentadecenoic acid methyl ester standard solution

90176-52-6	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL42.1604.0001

Pentaerythritol tetranitrate standard solution

78-11-5	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1608.0001 CL40.1608.0005

Pentafluorobenzene standard solution

363-72-4	Solution contains 2000 µg/ml in Methanol	1 ml 5 ml	CL40.1609.0001 CL40.1609.0005

Pentafluorophenol standard solution

771-61-9	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1610.0001 CL40.1610.0005

n-Pentane standard solution

109-66-0	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1611.0001 CL40.1611.0005
109-66-0	Solution contains 10 mg/l in de-inoized Water	10 ml	CL40.1648.0010

3-Pentanol standard solution NEW

584-02-1	Solution contains 1% w/w in Ethanol	1 ml	CL42.1614.0001

2-Pentanone standard solution

107-87-9	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1670.0001

3-Pentanone standard solution

96-22-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.1671.0001

Pentatriacontane standard solution

630-07-9	Solution contains 100 µg/ml in n-Hexane	1 ml	CL42.1600.0001

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Pentoxazone standard solution			
110956-75-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1672.0001
Perfluidone standard solution			
37924-13-3	Solution contains 10 µg/ml in Acetone	1 ml	CL40.1673.0001
Perfluoro-n-butane standard solution			
355-25-9	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1674.0001
Perfluorooctane standard solution			
307-34-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1675.0001
trans-Permethrin-D6 (dimethyl-D6) standard solution			
82523-59-9	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1678.0001
cis-Permethrin standard solution			
61949-76-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1676.0001
Permethrin (mixed isomers) standard solution			
52645-53-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1612.0001 CL40.1612.0005
trans-Permethrin standard solution			
61949-77-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1677.0001
Perthane® standard solution			
72-56-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1613.0001 CL40.1613.0005
Perylene standard solution			
198-55-0	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.1614.0001 CL40.1614.0005
Perylene-D12 standard solution			
1520-96-3	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1615.0001 CL40.1615.0005
Phenamiphos standard solution			
2224-42-6	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1616.0001 CL40.1616.0005
Phenthoate standard solution			
2597-03-7	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.1651.0001
Phenanthrene standard solution			
85-01-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1617.0001 CL40.1617.0005
Phenanthrene-D10 standard solution			**NEW**
1517-22-2	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL42.1616.0001
1517-22-2	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1618.0001 CL40.1618.0005
Phenkapton standard solution			
2275-14-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1679.0001

Phenol standard solution

108-95-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1619.0001 CL40.1619.0005
108-95-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1620.0001 CL40.1620.0005

Phenol-2,3,4,5,6-D5 standard solution

4165-62-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1680.0001

Phenol-D6 standard solution

13127-88-3	Solution contains 2000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.1681.0001

d-(cis-trans)-Phenothrin standard solution

26002-80-2	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1621.0001 CL40.1621.0005

4-Phenyl-1-cyclohexene standard solution

4994-16-5	Solution contains 1000 µg/ml in Methanol	5 ml	CL40.1641.0005

1,4-Phenylenediamine standard solution

106-50-3	Solution contains 2000 µg/ml in Acetonitrile	1 ml	CL40.1682.0001

2-Phenylphenol standard solution

90-43-7	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1653.0001

Phorate standard solution

298-02-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1622.0001 CL40.1622.0005

Phorate-oxon standard solution

2600-69-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1684.0001

Phorate-oxon-sulfone standard solution

2588-06-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1685.0001

Phorate-oxon-sulfoxide standard solution

2588-05-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1686.0001

Phosalone standard solution

2310-17-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1687.0001

Phosdrin® (Mevinphos) standard solution

7786-34-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1623.0001 CL40.1623.0005

Phosfolan standard solution

947-02-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1688.0001

Phosmet oxon standard solution

3785-33-9	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.1689.0001

Phosphamidon standard solution

13171-21-6	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.1624.0001 CL40.1624.0005

Photochlordene standard solution

33323-93-2	Solution contains 1 mg/ml in Cyclohexane	1 ml	CL40.1690.0001

Photodieldrin standard solution			
13366-73-9	Solution contains 1 mg/ml in Cyclohexane	1 ml	CL40.1691.0001
Photoheptachlor standard solution			
33442-83-0	Solution contains 1 mg/ml in Cyclohexane	1 ml	CL40.1692.0001
Phoxim standard solution			
14816-18-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1693.0001
Phoxim-oxon standard solution			
14816-17-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1694.0001
Phthalic acid, benzylbutyl ester (3,4,5,6)-D4 standard solution			
93951-88-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1695.0001
Phthalide standard solution			
27355-22-2	Solution contains 10 µg/ml in Acetone	1 ml	CL40.1696.0001
Phytane standard solution			
638-36-8	Solution contains 100 µg/ml in n-Hexane	1 ml	CL42.1602.0001
Picloram standard solution			
1918-02-1	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1625.0001 CL40.1625.0005
1918-02-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1671.0001
2-Picoline standard solution			
109-06-8	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1626.0001 CL40.1626.0005
Pirimicarb standard solution			
23103-98-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1697.0001
Pirimicarb-desamido standard solution			
40778-16-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1698.0001
Pirimicarb-desamido-desmethyl standard solution			
78195-30-9	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1601.0001
Pirimicarb-desmethyl standard solution			
30614-22-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.1699.0001
Pirimicarb-desmethyl-formamido standard solution			
27218-04-8	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.1602.0001
Pirimiphos-ethyl standard solution			
23505-41-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1603.0001
Pirimiphos-ethyl-oxon standard solution			
36378-61-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1604.0001
Pirimiphos-methyl standard solution			
29232-93-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1605.0001
29232-93-7	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL42.1605.0001

Pirimiphos-methyl-N-desethyl standard solution			
67018-59-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1606.0001
Pirimiphos-methyl-oxon standard solution			
64709-45-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1607.0001
Ponazuril standard solution			
69004-04-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1608.0001
Pristane standard solution			
1921-70-6	Solution contains 100 µg/ml in n-Hexane	1 ml	CL42.1601.0001
Prochloraz standard solution			
67747-09-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1609.0001
Procymidone standard solution			
32809-16-8	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1610.0001
Prodiamine standard solution			
29091-21-2	Solution contains 10 µg/ml in iso-Octane	1 ml	CL41.1611.0001
Profenofos standard solution			
41198-08-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1612.0001
Prohydrojasmon standard solution			
158474-72-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1613.0001
Promecarb standard solution			
2631-37-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1614.0001
Prometon standard solution			
1610-18-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1627.0001 CL40.1627.0005
Prometryne standard solution			
7287-19-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1628.0001 CL40.1628.0005
Propachlor standard solution			
1918-16-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1629.0001 CL40.1629.0005
Propamocarb hydrochloride standard solution			
25606-41-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1615.0001
1-Propanethiol standard solution			
107-03-9	Solution contains 2000 µg/ml in Toluene	1 ml	CL41.1649.0001
Propargite standard solution			
2312-35-8	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1616.0001
Propazine standard solution			
139-40-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1630.0001 CL40.1630.0005

Propetamphos standard solution			
31218-83-4	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1617.0001
Propham standard solution			
122-42-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1631.0001 CL40.1631.0005
Ethoprophos standard solution			
13194-48-4	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.1632.0001 CL40.1632.0005
Propiconazole standard solution			
60207-90-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1618.0001
Propionic acid (Propanoic acid) standard solution			
79-09-4	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.1619.0001
Propionic acid methyl ester standard solution			
554-12-1	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.1620.0001
Propionitrile standard solution			
107-12-0	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1633.0001 CL40.1633.0005
107-12-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1634.0001 CL40.1634.0005
Propionylpromazine hydrochloride standard solution			
7681-67-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1621.0001
Propoxycarbazone sodium standard solution			
181274-15-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1622.0001
n-Propylbenzene standard solution			
103-65-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.1635.0001 CL40.1635.0005
103-65-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1636.0001 CL40.1636.0005
Propyzamide standard solution			
23950-58-5	Solution contains 100 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1637.0001 CL40.1637.0005
Prosulfocarb standard solution			
52888-80-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1623.0001
Prosulfuron standard solution			
94125-34-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1624.0001
Prothiocarb hydrochloride standard solution			
19622-19-6	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1625.0001
Prothoate standard solution			
2275-18-5	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.1626.0001
Prynachlor standard solution			
21267-72-1	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1627.0001

Pyrazolynate standard solution			
58011-68-0	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1628.0001
Pyrazophos standard solution			
13457-18-6	Solution contains 100 µg/ml in Acetone	1 ml	CL41.1629.0001
Pyrene standard solution			
129-00-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1645.0001 CL40.1645.0005
129-00-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1638.0001 CL40.1638.0005
Pyributicarb standard solution			
88678-67-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.1631.0001
Pyridaben standard solution			
96489-71-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1632.0001
Pyridalyl standard solution			
179101-81-6	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1633.0001
Pyridaphenthion standard solution			
119-12-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.1634.0001
Pyridate standard solution			
55512-33-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1635.0001
Pyridine standard solution			
110-86-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1639.0001 CL40.1639.0005
Pyridine-D5 standard solution			
7291-22-7	Solution contains 2000 µg/ml in iso-Octane	1 ml 5 ml	CL40.1640.0001 CL40.1640.0005
Pyridinitril standard solution			
1086-02-8	Solution contains 10 µg/ml in iso-Octane	1 ml	CL41.1636.0001
Pyrimethanil standard solution			
53112-28-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.1639.0001
Pyrimitate standard solution			
5221-49-8	Solution contains 10 µg/ml in iso-Octane	1 ml	CL41.1640.0001
Pyriproxyfen standard solution			
95737-68-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.1641.0001
Quinalphos standard solution			
13593-03-8	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL40.1701.0001
Quinmerac standard solution			
90717-03-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1702.0001
Quinoclamine standard solution			
2797-51-5	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1703.0001

Quintiophos standard solution			
1776-83-6	Solution contains 10 µg/ml in Ethylacetate	1 ml	CL40.1704.0001
Resmethrin-alcohol metabolite standard solution			
20416-09-5	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.1808.0001
Rotenone standard solution			
83-79-4	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.1801.0001 CL40.1801.0005
Safrole standard solution			
94-59-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1901.0001 CL40.1901.0005
Salbutamol free base standard solution			
18559-94-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1921.0001
Salinomycin sodium salt 2,5-hydrate standard solution			
55721-31-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1922.0001
Sanmarton standard solution			
51630-58-1	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1902.0001 CL40.1902.0005
Schradan standard solution			
152-16-9	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.1923.0001
Sebuthylazine standard solution			
7286-69-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1924.0001
Secbumeton standard solution			
26259-45-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.1925.0001
Siduron standard solution			
1982-49-6	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.1903.0001 CL40.1903.0005
Silvex standard solution			
93-72-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1904.0001 CL40.1904.0005
Silvex methyl ester (fenoprop methyl ester) standard solution			
4841-20-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1905.0001 CL40.1905.0005
Simazine standard solution			
122-34-9	Solution contains 1000 µg/ml in Acetone - Freeze/Sonicate	1 ml	CL40.1919.0001
122-34-9	Solution contains 1000 µg/ml in Methanol - Freeze/Sonicate	5 ml	CL40.1920.0005
122-34-9	Solution contains 100 µg/ml in Acetone - Freeze/Sonicate	1 ml 5 ml	CL40.1906.0001 CL40.1906.0005
122-34-9	Solution contains 100 µg/ml in Methanol - Freeze/Sonicate	1 ml	CL40.1946.0001
Simazine (ring 13C3) standard solution			
	Solution contains 100 µg/ml in Acetone - Freeze/Sonicate	1 ml	CL40.1926.0001

Simazine-D5 standard solution			
220621-41-0	Solution contains 100 µg/ml in Acetone - Freeze/Sonicate	1 ml	CL40.1927.0001
Simeconazole standard solution			
149508-90-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1928.0001
Simetryn standard solution			
1014-70-6	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1907.0001 CL40.1907.0005
Solvent Yellow 124 standard solution			**NEW**
34432-92-3	Solution contains 100 µg/g in iso-Octane	10 ml	CL40.1952.0010
Sonar® standard solution			
59756-60-4	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.1908.0001 CL40.1908.0005
Spinosad standard solution			
168316-95-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1947.0001
Spirodiclofen standard solution			
148477-71-8	Solution contains 100 µg/ml in Methanol	1 ml	CL40.1948.0001
Squalane standard solution			
111-01-3	Solution contains 1000 µg/ml in Chloroform	1 ml	CL40.1949.0001
Stearyl stearate standard solution			
2778-96-3	Solution contains 10000 µg/ml in Cyclohexane	1 ml	CL40.1938.0001
Strobane ® standard solution			
8001-50-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1909.0001 CL40.1909.0005
Styrene standard solution			
100-42-5	Solution contains 5000 µg/ml in Methanol - Keep at -20°C	1 ml 5 ml	CL40.1910.0001 CL40.1910.0005
100-42-5	Solution contains 100 µg/ml in Methanol - Keep at -20°C	1 ml 5 ml	CL40.1911.0001 CL40.1911.0005
Sudan 1-D5 (phenyl-D5) standard solution			
752211-63-5	Solution contains 100 µg/ml in Acetone	1 ml	CL40.1929.0001
Sulfacetamide standard solution			
144-80-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1930.0001
Sulfachloropyridazine standard solution			
80-32-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1931.0001
Sulfaguanidine monohydrate standard solution			
6190-55-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1932.0001
Sulfameter standard solution			
651-06-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1933.0001
Sulfamethazine-N4-acetyl standard solution			
100-90-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1934.0001

Sulfamethoxypyridazine standard solution			
80-35-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1935.0001
Sulfapyridine standard solution			
144-83-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1936.0001
Sulfathiazole standard solution			
72-14-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.1937.0001
Sulprofos standard solution			
35400-43-2	Solution contains 1000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.1912.0001 CL40.1912.0005
35400-43-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1913.0001 CL40.1913.0005
Swep standard solution			
1918-18-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.1914.0001 CL40.1914.0005
2,4,5-TB standard solution			
93-80-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2081.0001
Tebuconazole standard solution			
107534-96-3	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2082.0001
107534-96-3	Solution contains 10 µg/ml in Ethylacetate	2 ml	CL41.2083.0002
Tebufenozide standard solution			
112410-23-8	Solution contains 100 µg/ml in Acetone	1 ml	CL40.2083.0001
Tebufenpyrad standard solution			
119168-77-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.2084.0001
Tebutam standard solution			
35256-85-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.2085.0001
Tefluthrin standard solution			
79538-32-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.2087.0001
Terbacil standard solution			
5902-51-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2002.0001 CL40.2002.0005
Terbucarb standard solution			
1918-11-2	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.2088.0001
Terbufos standard solution			
13071-79-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2003.0001 CL40.2003.0005
Terbufos-D10 standard solution			
	Solution contains 100 µg/ml in Acetone	1 ml	CL41.2081.0001
Terbufos-oxon standard solution			
56070-14-5	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.2089.0001

Terbufos-oxon-sulfoxide standard solution			
56165-57-2	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.2090.0001
Terbuthylazine standard solution			
5915-41-3	Solution contains 100 µg/ml in n-Hexane	1 ml 5 ml	CL40.2004.0001 CL40.2004.0005
5915-41-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2005.0001 CL40.2005.0005
Terbuthylazine-D5 (ethyl-D5) standard solution			
222986-60-9	Solution contains 100 µg/ml in Acetone	1 ml	CL40.2091.0001
Terbuthylazine-desethyl standard solution			
30125-63-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2092.0001
Terbutryne standard solution			
886-50-0	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2006.0001 CL40.2006.0005
886-50-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2007.0001 CL40.2007.0005
o-Terphenyl standard solution			**NEW**
84-15-1	Solution contains 10000 µg/ml in Dichloromethane	1 ml	CL41.2085.0001
p-Terphenyl standard solution			**NEW**
92-94-4	Solution contains 1000 µg/ml in Dichloromethane	1 ml	CL41.2091.0001
Terrazole® standard solution			
2593-15-9	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2008.0001 CL40.2008.0005
Testosterone standard solution			
58-22-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2093.0001
3,3´,4,4´-Tetrachloroazobenzene standard solution			
14047-09-7	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.2094.0001
1,2,3,4-Tetrachlorobenzene standard solution			
634-66-2	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.2009.0001 CL40.2009.0005
1,2,3,5-Tetrachlorobenzene standard solution			
634-90-2	Solution contains 1000 µg/ml in n-Hexane	1 ml 5 ml	CL40.2010.0001 CL40.2010.0005
1,2,4,5-Tetrachlorobenzene standard solution			**NEW**
95-94-3	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.2087.0001
95-94-3	Solution contains 100 µg/ml in Dichloromethane	1 ml 5 ml	CL40.2011.0001 CL40.2011.0005
95-94-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2095.0001
13C-1,2,4,5-Tetrachlorobenzene standard solution			**NEW**
	Solution contains 500 µg/ml in n-Nonane	1 ml	CL41.2063.0001
2,2´,5,5´-Tetrachlorobenzidine standard solution			
15721-02-5	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL40.2096.0001

1,1,1,2-Tetrachloroethane standard solution			
630-20-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2012.0001 CL40.2012.0005
1,1,2,2-Tetrachloroethane standard solution			**NEW**
79-34-5	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.2064.0001
1,1,1,2-Tetrachloroethane standard solution			
630-20-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2013.0001 CL40.2013.0005
1,1,2,2-Tetrachloroethane standard solution			
79-34-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2014.0001 CL40.2014.0005
Tetrachloroethene standard solution			**NEW**
127-18-4	Solution contains 100000 µg/ml in Methanol	1 ml	CL41.2093.0001
127-18-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2015.0001 CL40.2015.0005
127-18-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2016.0001 CL40.2016.0005
Tetrachloroguajacol standard solution			
2539-17-5	Solution contains 10 µg/ml in Acetone	1 ml	CL40.2098.0001
2,3,5,6-Tetrachloronitrobenzene (Tecnazene) standard solution			
117-18-0	Solution contains 100 µg/ml in iso-Octane	1 ml	CL40.2086.0001
2,3,4,5-Tetrachlorophenol standard solution			
4901-51-3	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2099.0001
2,3,4,6-Tetrachlorophenol standard solution			
58-90-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2018.0001 CL40.2018.0005
2,3,5,6-Tetrachlorophenol standard solution			
935-95-5	Solution contains 100 µg/ml in iso-Propanol	1 ml 5 ml	CL40.2017.0001 CL40.2017.0005
Tetrachloroterephthalic acid standard solution			
2136-79-0	Solution contains 100 µg/ml in Acetone	1 ml 5 ml	CL40.2019.0001 CL40.2019.0005
2,4,5,6-Tetrachloro-m-xylene (TCMX) standard solution			
877-09-8	Solution contains 2000 µg/ml in Acetone	1 ml 5 ml	CL40.2020.0001 CL40.2020.0005
877-09-8	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL41.2059.0001
Tetrachlorvinphos standard solution			
22248-79-9	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2021.0001 CL40.2021.0005
Tetraconazole standard solution			
112281-77-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2001.0001
Tetracontane standard solution			
4181-95-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2073.0001

Tetracosane standard solution			
646-31-1	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2069.0001
Tetradecane standard solution			
629-59-4	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2067.0001
Tetradifon standard solution			
116-29-0	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2003.0001
Tetraethyldithiopyrophosphate standard solution			
3689-24-5	Solution contains 100 µg/ml in Toluene	1 ml 5 ml	CL40.2022.0001 CL40.2022.0005
1,1,1,2-Tetrafluoroethane standard solution			
811-97-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2004.0001
Tetrahydrofuran standard solution			
109-99-9	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.2023.0001 CL40.2023.0005
Tetramethrin standard solution			
7696-12-0	Solution contains 1000 µg/ml in Acetonitrile	1 ml 5 ml	CL40.2024.0001 CL40.2024.0005
1,2,3,4-Tetramethylbenzene standard solution			
488-23-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2005.0001
3,3´,5,5´-Tetramethylbenzidine standard solution			
54827-17-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.2006.0001
Tetranoic acid-methyl ester standard solution			**NEW**
623-42-7	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.2080.0001
Tetratriacontane standard solution			
14167-59-0	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2072.0001
Thebaine standard solution			
115-37-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.2008.0001
Thenylchlor standard solution			
96491-05-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.2009.0001
Thiabendazole standard solution			
148-79-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2010.0001
Thiabendazole-5-hydroxy standard solution			
948-71-0	Solution contains 10 µg/ml in Methanol	1 ml	CL41.2011.0001
Thiamethoxam standard solution			
153719-23-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2074.0001
Thiazafluron standard solution			
25366-23-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2012.0001
(R)-(-)-2-Thiazolidine-2-thione-4-carboxylic acid standard solution			
98169-56-3	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.2013.0001

Thiodicarb standard solution			
59669-26-0	Solution contains 100 µg/ml in Ethylacetate	1 ml	CL41.2014.0001
Thiometon standard solution			
640-15-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2015.0001
Thiometon-sulfone standard solution			
20301-63-7	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2016.0001
Thiometon-sulfoxide standard solution			
2703-37-9	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2017.0001
Thiophanate-methyl standard solution			
23564-05-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2075.0001
Thiophene standard solution			
110-02-1	Solution contains 5000 µg/ml in Methanol	1 ml	CL40.2076.0001
Thiram-D12 standard solution			
69193-86-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2018.0001
Tiadinil standard solution			
223580-51-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2019.0001
Tokuthion® standard solution			
34643-46-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2025.0001 CL40.2025.0005
Tolclofos-methyl standard solution			
57018-04-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2020.0001
o-Tolidine standard solution			
119-93-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2026.0001 CL40.2026.0005
Toluene standard solution			**NEW**
108-88-3	Solution contains 10 wt% in n-Hexane	2 ml	CL41.2092.0002
108-88-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2027.0001 CL40.2027.0005
108-88-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2028.0001 CL40.2028.0005
Toluene-D8 standard solution			
2037-26-5	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.2029.0001 CL40.2029.0005
p-Toluidine standard solution			
106-49-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2022.0001
m-Toluidine standard solution			
108-44-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2021.0001
o-Toluidine standard solution			
95-53-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2030.0001 CL40.2030.0005

Tolylfluanid standard solution			
731-27-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2076.0001
Toxaphene standard solution			**NEW**
8001-35-2	Solution contains 5000 µg/ml in Methanol	1 ml	CL41.2079.0001
8001-35-2	Solution contains 4000 µg/ml in n-Hexane	1 ml	CL40.2072.0001
Tralomethrin standard solution			
66841-25-6	Solution contains 100 µg/ml in iso-Octane	1 ml	CL41.2023.0001
Trenbolone acetate standard solution			
10161-34-9	Solution contains 10 µg/ml in Methanol	1 ml	CL41.2024.0001
n-Triacontane (C30) standard solution			
638-68-6	Solution contains 1000 µg/ml in Benzene	1 ml 5 ml	CL40.2031.0001 CL40.2031.0005
638-68-6	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2070.0001
1-Triacontanol standard solution			
593-50-0	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL41.2025.0001
Triadimefon standard solution			
43121-43-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2032.0001 CL40.2032.0005
Triadimenol standard solution			
55219-65-3	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2026.0001
Triadimenol isomer A standard solution			
89482-17-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2027.0001
Triadimenol isomer B standard solution			
70585-37-4	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2028.0001
Tri-allate standard solution			
2303-17-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2029.0001
Triamiphos standard solution			
1031-47-6	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2030.0001
Triazamate standard solution			
112143-82-5	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2031.0001
Triazophos standard solution			
24017-47-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2032.0001
Tribromoacetic acid standard solution			
75-96-7	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2033.0001 CL40.2033.0005
2,4,6-Tribromophenol standard solution			
118-79-6	Solution contains 2000 µg/ml in Dichloromethane	1 ml 5 ml	CL40.2034.0001 CL40.2034.0005
118-79-6	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.2082.0001

Tributylphosphate standard solution			
126-73-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2033.0001
S,S,S-Tributylphosphorotrithioate standard solution			
78-48-8	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2035.0001 CL40.2035.0005
Tricaprin standard solution			
621-71-6	Solution contains 8.000 µg/ml in Pyridine	5 ml	CL40.2074.0005
Trichlamide standard solution			
70193-21-4	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL41.2034.0001
Trichloroacetamide standard solution			NEW
594-65-0	Solution contains 1000 µg/ml in Methanol	1 ml	CL41.2086.0001
Trichloroacetic acid standard solution			
76-03-9	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2036.0001 CL40.2036.0005
Trichloroacetonitrile standard solution			
545-06-2	Solution contains 1000 µg/ml in Acetone	1 ml 5 ml	CL40.2037.0001 CL40.2037.0005
2,4,6-Trichloroanisole standard solution			
87-40-1	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2078.0001
1,2,3-Trichlorobenzene standard solution			
87-61-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2038.0001 CL40.2038.0005
87-61-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2039.0001 CL40.2039.0005
1,2,4-Trichlorobenzene standard solution			
120-82-1	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2040.0001 CL40.2040.0005
120-82-1	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2041.0001 CL40.2041.0005
1,3,5-Trichlorobenzene standard solution			
108-70-3	Solution contains 200 µg/ml in Methanol	1 ml	CL40.2066.0001
1,3,5-Trichlorobenzene-D3 standard solution			
1198-60-3	Solution contains 100 µg/ml in Acetone	1 ml	CL41.2036.0001
2,3,6-Trichlorobenzoic acid standard solution			
50-31-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2037.0001
1,1,1-Trichloroethane standard solution			
71-55-6	Solution contains 1000 µg/ml in Methanol	1 ml 5 ml	CL40.2042.0001 CL40.2042.0005

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Single Component Standards

1,1,2-Trichloroethane standard solution

79-00-5	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2043.0001 CL40.2043.0005
79-00-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2044.0001 CL40.2044.0005

2,2,2-Trichloroethanol standard solution NEW

115-20-8	Solution contains 1000 µg/ml in Methanol	10 ml	CL41.2089.0010

Trichloroethene standard solution

79-01-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2045.0001 CL40.2045.0005
79-01-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2046.0001 CL40.2046.0005

Trichlorofluoromethane standard solution

75-69-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2047.0001 CL40.2047.0005
75-69-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2048.0001 CL40.2048.0005

Trichloronate standard solution

327-98-0	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2049.0001 CL40.2049.0005

2,3,4-Trichlorophenol standard solution

15950-66-0	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.2060.0001
15950-66-0	Solution contains 1000 µg/ml in iso-Propanol	1 ml 5 ml	CL40.2054.0001 CL40.2054.0005

2,3,5-Trichlorophenol standard solution

933-78-8	Solution contains 2000 µg/ml in Methanol	1 ml	CL41.2061.0001
933-78-8	Solution contains 1000 µg/ml in iso-Propanol	1 ml 5 ml	CL40.2055.0001 CL40.2055.0005

2,3,6-Trichlorophenol standard solution

933-75-5	Solution contains 1000 µg/ml in iso-Propanol	1 ml 5 ml	CL40.2056.0001 CL40.2056.0005

2,4,5-Trichlorophenol standard solution

95-95-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2050.0001 CL40.2050.0005
95-95-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2051.0001 CL40.2051.0005

2,4,6-Trichlorophenol standard solution

88-06-2	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2052.0001 CL40.2052.0005
88-06-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2053.0001 CL40.2053.0005

3,4,5-Trichlorophenol standard solution

609-19-8	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2038.0001

2,4,5-Trichlorophenoxy acetic acid standard solution

93-76-5	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2001.0001 CL40.2001.0005

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

2,4,5-(Trichlorophenoxy) acetic acid methyl ester standard solution			
1928-37-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2057.0001 CL40.2057.0005
1,2,3-Trichloropropane standard solution			
96-18-4	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2058.0001 CL40.2058.0005
96-18-4	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2059.0001 CL40.2059.0005
1,1,1-Trichloro-2-propanone standard solution			
918-00-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2060.0001 CL40.2060.0005
918-00-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2061.0001 CL40.2061.0005
3,5,6-Trichloro-2-pyridinol standard solution			
6515-38-4	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.2039.0001
2,4,5-Trichlorotoluene standard solution			**NEW**
6639-30-1	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL41.2062.0001
2,3,6-Trichlorotoluene standard solution			
2077-46-5	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2041.0001
2,4,5-Trichlorotoluene standard solution			
6639-30-1	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.2070.0001
alpha,3,4-Trichlorotoluene standard solution			
102-47-6	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2040.0001
1,1,2-Trichlorotrifluoroethane standard solution			**NEW**
76-13-1	Solution contains 5000 µg/ml in Methanol	1 ml	CL41.2088.0001
76-13-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2042.0001
Triclopyr standard solution			
55335-06-3	Solution contains 100 µg/ml in Acetone	1 ml	CL41.2043.0001
Tricosane standard solution			
638-67-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2068.0001
n-Tridecane (13C) standard solution			
629-50-5	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL41.2044.0001
629-50-5	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2066.0001
1,2,4-Triethylbenzene standard solution			**NEW**
877-44-1	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2045.0001
O,O,O-Triethylphosphorothioate standard solution			
126-68-1	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL41.2046.0001
Trifloxystrobin standard solution			
141517-21-7	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2077.0001

Triflumizole standard solution			
99387-89-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2078.0001
Triflumuron standard solution			
64628-44-0	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2047.0001
1,1,1-Trifluoroethane standard solution			
420-46-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2048.0001
a,a,a-Trifluorotoluene standard solution			
98-08-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2062.0001 CL40.2062.0005
Trifluralin standard solution			
1582-09-8	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2063.0001 CL40.2063.0005
Triforin standard solution			
26644-46-2	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2075.0001
Trihexylamine standard solution			
102-86-3	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2049.0001
Trimethoprim standard solution			
738-70-5	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2050.0001
2,4,5-Trimethylaniline standard solution			
137-17-7	Solution contains 10 µg/ml in Acetonitrile	1 ml	CL41.2051.0001
1,2,3-Trimethylbenzene standard solution			
526-73-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2052.0001
1,2,4-Trimethylbenzene standard solution			
95-63-6	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2079.0001
1,3,5-Trimethylbenzene standard solution			
108-67-8	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2053.0001
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate standard solution			
6846-50-0	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2054.0001
2,4,4-Trimethyl-2-pentene standard solution			
107-40-4	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2055.0001
2,3,5-Trimethylphenol standard solution			
697-82-5	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.2071.0001
2,4,6-Trinitrophenol (Picric acid) standard solution			
88-89-1	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL41.2056.0001
Triolein standard solution			
122-32-7	Solution contains 5000 µg/ml in Pyridine - Keep at -20°C	2 ml	CL40.2073.0002
Triphenylen standard solution			**NEW**
217-59-4	Solution contains 1000 µg/ml in Dichloromethane	1 ml	CL41.2090.0001

Triphenyl phosphate standard solution			
115-86-6	Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2064.0001 CL40.2064.0005
115-86-6	Solution contains 500 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml	CL40.2077.0001
Tripropylamine standard solution			
102-69-2	Solution contains 100 µg/ml in Methanol	1 ml	CL41.2058.0001
Tris(2,3-dibromopropyl) phosphate standard solution			
126-72-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2065.0001 CL40.2065.0005
Tritriacontane standard solution			
630-05-7	Solution contains 100 µg/ml in n-Hexane	1 ml	CL41.2071.0001
n-Undecane (C11) standard solution			
1120-21-4	Solution contains 2000 µg/ml in Dichloromethane	1 ml	CL40.2101.0001
1120-21-4	Solution contains 100 µg/ml in n-Hexane	1 ml	CL40.2105.0001
Undecanoic acid methyl ester standard solution			
1731-86-8	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.2102.0001
2-Undecanone standard solution			
112-12-9	Solution contains 100 µg/ml in Methanol	1 ml	CL40.2103.0001
Uracil standard solution			
66-22-8	Solution contains 125 mg/l in de-ionized Water	2 ml	CL40.2104.0002
n-Valeric acid standard solution			
109-52-4	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.2206.0001
Valeric acid-methyl ester standard solution			
624-24-8	Solution contains 2000 µg/ml in n-Hexane	1 ml	CL40.2207.0001
Vamidothion standard solution			
2275-23-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2208.0001
Vamidothion-sulfone standard solution			
70898-34-9	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2209.0001
Velpar standard solution			
51235-04-2	Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)	1 ml 5 ml	CL40.2201.0001 CL40.2201.0005
Vernolate standard solution			
1929-77-7	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2202.0001 CL40.2202.0005
Vinclozolin standard solution			
50471-44-8	Solution contains 100 µg/ml in Cyclohexane	1 ml	CL40.2210.0001
Vinyl chloride standard solution			**NEW**
75-01-4	Solution contains 1000 µg/ml in n-Hexane	1 ml	CL40.2213.0001

Vinylacetate standard solution			
108-05-4	Solution contains 5000 µg/ml in Acetonitrile	1 ml	CL40.2211.0001
Vinyl chloride standard solution			
75-01-4	Solution contains 5000 µg/ml in Methanol - Keep at -20°C	1 ml 5 ml	CL40.2204.0001 CL40.2204.0005
75-01-4	Solution contains 1000 µg/ml in Methanol - Keep at -20°C	1 ml 5 ml	CL40.2203.0001 CL40.2203.0005
4-Vinyl-1-cyclohexene standard solution			
100-40-3	Solution contains 2000 µg/ml in Methanol	1 ml	CL40.2212.0001
Warfarin standard solution			
81-81-2	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2301.0001
XMC (technical, mixture of 3,5-, 2,4-, 2,5-Xylyl standard solution			
2655-14-3	Solution contains 10 µg/ml in Cyclohexane	1 ml	CL40.2412.0001
p-Xylene standard solution			
106-42-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2404.0001 CL40.2404.0005
106-42-3	Solution contains 100 µg/g in de-inoized Water	5 ml	CL40.1652.0005
106-42-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2405.0001 CL40.2405.0005
m-Xylene standard solution			
108-38-3	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2401.0001 CL40.2401.0005
108-38-3	Solution contains 100 µg/g in de-inoized Water	5 ml	CL40.2407.0005
108-38-3	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2406.0001 CL40.2406.0005
o-Xylene standard solution			
95-47-6	Solution contains 5000 µg/ml in Methanol	1 ml 5 ml	CL40.2402.0001 CL40.2402.0005
95-47-6	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2403.0001 CL40.2403.0005
Xylylcarb standard solution			
2425-10-7	Solution contains 100 µg/ml in Acetonitrile	1 ml	CL40.2413.0001
Zineb standard solution			
57-68-1	Solution contains 1000 µg/ml in Methanol	1 ml	CL40.2602.0001
Zinophos® (thionazin) standard solution			
297-97-2	Solution contains 100 µg/ml in Methanol	1 ml 5 ml	CL40.2601.0001 CL40.2601.0005

2.2

2 Organic Standards

Product Analysis Certificate

Art. Nr. : CL46.1391 *Lot Nr. :* 26.5782901

Methyl isobutyl ketone (MIBK), GC reference standard

99+% C6H12O

Use: For laboratory use, GC reference standard

Traceability: Reference standards

Specifications

		Spec. value	Batch value
Assay	Assay	: 99.0-100%	99,8 %w/w
Purity GC/FID	Purity GC/FID	: 99.0-100%	99,8% (GC Area)
Purity GC/MSD	Purity GC/MSD	: 99.0-100%	99,7% (GC Area)
Water	H2O	: 0-0.1% ww	0,1% w/w
Residue after Evaporation	Res.Evap.	: 0-0.001% ww	: 0-0.001% ww
Appearance	Appearance	: clear col. liq.	: clear col. liq.
Colour	Colour	: 0-10 APHA, Pt-Co	: 0-10 APHA, Pt-Co

Chemist: Luis Bianchi

Date of release: 29-01-2018

Expires: Jan-2023

CHEM LAB NV

Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM

Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Analysis

Acenaphthene			
83-32-9	99.0+% C12H10	10 mg	CL46.0101.0010
Acenaphthylene			
208-96-8	99.0+% C12H8	10 mg	CL46.0103.0010
Acephate			
30560-19-1	96.0+% C4H10NO3PS	10 mg	CL46.0104.0010
Acetochlor			
34256-82-1	97.0+% C14H20ClNO2	10 mg	CL46.0110.0010
Acetonitrile (ACN), GC reference standard			**NEW**
75-05-8	99.9+% CH3CN	5 ml 100 ml	CL46.0140.0005 CL46.0140.0100
Acrolein			
107-02-8	97.0+% C3H4O	100 mg	CL46.0122.0100
Alachlor			
15972-60-8	97.0+% C14H20ClNO2	10 mg	CL46.0170.0010
Alachlor			
309-00-2	97.0+% C12H8Cl6	10 mg	CL46.0171.0010
Aldicarb			
116-06-3	99.0+% C7H14N2O2S	10 mg	CL46.0127.0010
Aldicarb sulphone			
1646-88-4	99.0+% C7H14N2O4S	10 mg	CL46.0128.0010
Aldicarb sulphoxide			
1646-87-3	96.0+% C7H14N2O3S	10 mg	CL46.0129.0010
Aniline			
62-53-3	99+% C6H7N	100 mg	CL46.0142.0100
Arachidic acid			
506-30-9	99.0+% C20H40O2	100 mg	CL46.0172.0100
Arachidonic acid			
506-32-1	99+% C20H32O2	100 mg	CL46.0174.0100
Atrazine			
1912-24-9	97.0+% C8H14ClN5	100 mg	CL46.0169.0100
Atrazine-13C (Ring - 13C3)			
	97.0+% C8H14ClN5	5 mg	CL46.0154.0005
Azinphos-ethyl			
2642-71-9	98.0+% C12H16N3O3PS2	10 mg	CL46.0168.0010
Azinphos-methyl			
86-50-0	99.0+% C10H12N3O3PS2	10 mg	CL46.0165.0010

beta-BHC			
319-85-7	99.0+% C6H6Cl6	10 mg	CL46.0237.0010
gamma-BHC (Lindane)			
58-89-9	99.0+% C6H6Cl6	10 mg 100 mg	CL46.0801.0010 CL46.0801.0100
Behenic acid			
112-85-6	99.0+% C22H44O2	100 mg	CL46.0294.0100
Bentazone			
25057-89-0	99+% C10H12N2O3S	10 mg	CL46.0209.0010
1,2-Benzanthrecene			
56-55-3	99.0+% C18H12	10 mg	CL46.0218.0010
Benzene			
71-43-2	99.9+% C6H6	100 mg	CL46.0215.0100
Benzidine			
92-87-5	99.0+% C12H12N2	10 mg 100 mg	CL46.0217.0010 CL46.0217.0100
Benzo(b)fluoranthene			
205-99-2	99.0+% C20H12	5 mg	CL46.0222.0005
Benzo(j)fluoranthene			
205-82-3	99.0+% C20H12	5 mg	CL46.0225.0005
Benzo(k)fluoranthene			
207-08-9	99.0+% C20H12	5 mg	CL46.0223.0005
1,12-Benzoperylene			
191-24-2	99.0+% C22H12	5 mg	CL46.0230.0005
191-24-2	99.0+% C22H12	10 mg	CL46.0293.0010
Benzo(a)pyrene			
50-32-8	99.0+% C20H12	5 mg	CL46.0232.0005
Bromacil			
314-40-9	99.0+% C9H13BrN2O2	10 mg	CL46.0249.0010
Bromodichloromethane			
75-27-4	99.0+% CHBrCl2	100 mg	CL46.0263.0100
Bromoform			
75-25-2	99+% CHBr3	100 mg	CL46.0265.0100
Butanol-(1), GC reference standard			**NEW**
71-36-3	99+% CH3(CH2)3OH	5 ml 100 ml	CL46.0240.0005 CL46.0240.0100
Butanol-(tert), GC reference standard			**NEW**
75-65-0	99+% C4H10O	5 ml 100 ml	CL46.0241.0005 CL46.0241.0100

Di-n-butyl phthalate			
84-74-2	99.0+% $C_{16}H_{22}O_4$	100 mg	CL46.0453.0100
Butyric acid			
107-92-6	99.0+% $C_4H_8O_2$	100 mg	CL46.0292.0100
Captan			
133-06-2	99.0+% $C_9H_8Cl_3NO_2S$	10 mg	CL46.0303.0010
Carbaryl			
63-25-2	99.0+% $C_{12}H_{11}NO_2$	10 mg	CL46.0305.0010
Carbofuran			
1563-66-2	98.0+% $C_{12}H_{15}NO_3$	10 mg	CL46.0314.0010
Carbofuran-3-hydroxy			
16655-82-6	99.0+% $C_{12}H_{15}NO_4$	5 mg	CL46.0315.0005
Carbon tetrachloride			
	99.9+% CCl_4	100 mg	CL46.0317.0100
Chlordane (Technical)			
57-74-9	98.0+% $C_{10}H_6Cl_8$	10 mg	CL46.0329.0010
Chloroform			
67-66-3	99.0+% $CHCl_3$	100 mg	CL46.0347.0100
Chlorpyrifos			
2921-88-2	99+% $C_9H_{11}Cl_3NO_3PS$	10 mg	CL46.0376.0010
Chlorpyriphos-methyl			
5598-13-0	99.0+% $C_7H_7Cl_3NO_3PS$	10 mg	CL46.0378.0010
Chrysene			
218-01-9	99.0+% $C_{18}H_{12}$	10 mg	CL46.0395.0010
Corticosterone			
50-22-6	98.0+% $C_{21}H_{30}O_4$	10 mg	CL46.0387.0010
Cyanazine			
21725-46-2	98.0+% $C_9H_{13}ClN_6$	10 mg	CL46.0397.0010
Cyclohexane, GC reference standard			**NEW**
110-82-7	99+% C_6H_{12}	5 ml 100 ml 1 l	CL46.0398.0005 CL46.0398.0100 CL46.0398.1000
2,4-D 99%			
94-75-7	99+% $C_8H_6Cl_2O_3$	10 mg	CL46.0401.0010
2,4-DB			
94-82-6	98+% $C_{10}H_{10}Cl_2O_3$	10 mg	CL46.0407.0010
4,4'-DDD			
72-54-8	95.0+% $C_{14}H_{10}Cl_4$	10 mg	CL46.0411.0010

4,4'-DDE			
72-55-9	95.0+% C14H8Cl4	10 mg	CL46.0413.0010
2,4-DDT			
789-02-6	95.0+% C14H9Cl5	10 mg	CL46.0416.0010
4,4'-DDT			
50-29-3	95.0+% C14H9Cl5	1 g 10 mg	CL46.0415.0001 CL46.0415.0010
n-Decane			
124-18-5	99+% C10H22	100 mg	CL46.0420.0100
Deltamethrin			
52918-63-5	98.0+% C22H19Br2NO3	10 mg	CL46.0426.0010
Demeton (O+S)			
8065-48-3	92.0+% C8H19O3PS2	10 mg	CL46.0427.0010
Diazinon			
333-41-5	99.0+% C12H21N2O3PS	10 mg	CL46.0436.0010
1,2-Dibromoethane			
106-93-4	99.0+% C2H4Br2	100 mg	CL46.0447.0100
Dichlofluanid			
1085-98-9	98.0+% C9H11Cl2FN2O2	10 mg	CL46.0460.0010
1,4-Dichlorobenzene			
106-46-7	99+% C6H4Cl2	100 mg	CL46.0474.0100
1,2-Dichloroethane, GC reference standard			**NEW**
107-06-2	99.0+% C2H4Cl2	5 ml 100 ml	CL46.0482.0005 CL46.0482.0100
Diiso propylether, GC reference standard			**NEW**
108-20-3	99+% C6H14O	5 ml 100 ml	CL46.0940.0005 CL46.0940.0100
N,N-Dimethylformamide (DMF), GC reference standard			**NEW**
68-12-2	99+% C3H7NO	5 ml 100 ml	CL46.0483.0005 CL46.0483.0100
1,2:5,6-Dinbenzanthracene			
53-70-3	99.0+% C22H14	5 mg	CL46.0438.0005
1,3-Dinonadecanoin			**NEW**
372490-74-9	99+% C41H80O5	50 mg 100 mg	CL47.0497.0050 CL47.0497.0100
Dioxan-(1,4), GC reference standard			**NEW**
123-91-1	98.5+% C4H8O2	5 ml 100 ml	CL46.0450.0005 CL46.0450.0100
Eicosapentaenoic acid (EPA)			
1553-41-9	99+% C20H30O2	100 mg	CL46.0550.0100

Endosulfan (alpha and beta)			
115-29-7	99+% C9H6Cl6O3S	10 mg	CL46.0505.0010
alfa-Endosulfan			
959-98-8	99.0+% C9H6Cl6O3S	10 mg	CL46.0502.0010
beta-Endosulfan			
33213-65-9	95.0+% C9H6Cl6O3S	10 mg	CL46.0503.0010
Endrin			
72-20-8	99.0+% C12H8Cl6O	10 mg	CL46.0509.0010
Epichlorhydrin			
106-89-8	99.0+% C3H5ClO	100 mg	CL46.0512.0100
Esfenvalerate			
66230-04-4	97.0+% C25H22ClNO3	10 mg	CL46.0517.0010
Ethanol			
64-17-5	99.8+vol% C2H5OH	100 mg	CL46.0531.0100
Ethion			
563-12-2	98.0+% C9H22O4P2S4	10 mg	CL46.0527.0010
Ethyl benzene			
100-41-4	99+% C8H10	10 ml 100 mg	CL46.0532.0010 CL46.0532.0100
Ethyl methyl ketone (MEK), GC reference standard			**NEW**
78-93-3	95+% C4H8O	5 ml 100 ml	CL46.0540.0005 CL46.0540.0100
3-Ethyltoluene			
620-14-4	99+% C9H12	10 mg	CL46.0543.0010
Fenarimol			
60168-88-9	99.0+% C17H12Cl2N2O	10 mg	CL46.0605.0010
Fluoranthene			
206-44-0	99.0+% C16H10	10 mg	CL46.0640.0010
Fluorene			
86-73-7	99.0+% C13H10	10 mg	CL46.0641.0010
Formothion			
2540-82-1	80.0+% C6H12NO4PS2 in Xylene	10 mg	CL46.0655.0010
Glycerine			
56-81-5	99+% C3H8O3	100 mg	CL46.0702.0100
Glyceryl triheptadecanoate			**NEW**
2438-40-6	99%+ C54H104O6	1 g 100 mg	CL46.0710.0001 CL46.0710.0100
Glyceryl triundecanoate			**NEW**
13552-80-2	98%+ C36H68O6 - Keep at -20°C	100 mg	CL46.0708.0100

Glyphosate 99%			
1071-83-6	99+% C3H8NO5P	10 mg	CL46.0703.0010
Gondoic acid			
5561-99-9	99.0+% C20H38O2	100 mg	CL46.0709.0100
HHCB (Galaxolide)			
1222-05-5	80+% C18H26O	10 mg	CL46.0837.0010
Heptachlor			
76-44-8	99.0+% C10H5Cl7	10 mg	CL46.0804.0010
Heptachlor-epoxide (cis, isomer B)			
1024-57-3	99.0+% C10H5Cl7O	5 mg	CL46.0806.0005
n-Heptadecane			
629-78-7	99+% C17H36	100 mg	CL46.0808.0100
Heptane-(n), GC reference standard			**NEW**
142-82-5	99+% C7H16	5 ml 100 ml	CL46.0829.0005 CL46.0829.0100
Hexachlorobenzene			
118-74-1	95.0+% C6Cl6	10 mg	CL46.0818.0010
Hexachlorocyclopentadiene			
77-47-4	98+% C5Cl6	10 mg	CL46.0820.0010
n-Hexadecanol			
36653-82-4	99+% C16H34O	5 g	CL46.0850.0005
Hexane-(n), GC reference standard			**NEW**
110-54-3	99+% C6H14	5 ml 100 ml	CL46.0828.0005 CL46.0828.0100
Imazalil			
35554-44-0	99.0+% C14H14Cl2N2O	10 mg	CL46.0901.0010
Imidacloprid			
138261-41-3	99.0+% C9H10ClN5O2	10 mg	CL46.0903.0010
Indeno(1,2,3-cd) pyrene			
193-39-5	99.0+% C22H12	5 mg	CL46.0906.0005
Iprodione			
36734-19-7	99.0+% C13H13Cl2N3O3	10 mg	CL46.0910.0010
Isofenphos			
25311-71-1	98.0+% C15H24NO4PS	10 mg	CL46.0917.0010
Lignoceric acid methyl ester			
2442-49-1	99+% C25H50O2	500 mg	CL46.1212.0500
Linalool			
78-70-6	97+% C10H18O	1 g	CL46.1215.0001

Linoleic acid			
60-33-3	99.0+% $C_{18}H_{32}O_2$	100 mg	CL46.1210.0100
Linoleic acid methyl ester			
112-63-0	99+% $C_{19}H_{34}O_2$	500 mg	CL46.1213.0500
Linolenic acid			
463-33-3	99.0+% $C_{18}H_{30}O_2$	100 mg	CL46.1211.0100
Linolenic acid methyl ester			
301-00-8	99+% $C_{19}H_{32}O_2$	500 mg	CL46.1214.0500
Malathion			
121-75-5	99.0+% $C_{10}H_{19}O_6PS_2$	10 mg 100 mg	CL46.1301.0010 CL46.1301.0100
2-Mercaptobenzothiazole zinc salt			
155-04-4	99.0+% $C_{14}H_8N_2S_4Zn$	100 mg	CL46.1390.0100
Metalaxyl			
57837-19-1	99.0+% $C_{15}H_{21}NO_4$	10 mg	CL46.1311.0010
Metamitron			
41394-05-2	98.0+% $C_{10}H_{10}N_4O$	10 mg	CL46.1312.0010
Methamidophos			
10265-92-6	98.0+% $C_2H_8NO_2PS$	10 mg	CL46.1320.0010
Methanol			
67-56-1	99.8+% CH_3OH	100 mg	CL46.1321.0100
Methiocarb			
2032-65-7	99.0+% $C_{11}H_{15}NO_2S$	10 mg	CL46.1325.0010
Methomyl			
16752-77-5	99.0+% $C_5H_{10}N_2O_2S$	10 mg	CL46.1328.0010
Methoxychlor			
72-43-5	98.0+% $C_{16}H_{15}Cl_3O_2$	10 mg	CL46.1330.0010
Methyl acrylate			
96-33-3	99.0+% $C_4H_6O_2$	100 mg	CL46.1331.0100
Methyl arachidate			
1120-28-1	99+% $C_{21}H_{42}O_2$	500 mg	CL46.0173.0500
Methyl behenate			
929-77-1	99+% $C_{23}H_{46}O_2$	500 mg	CL46.0295.0500
Methyl cis-11-eicosenoate			
2390-09-2	99+% $C_{21}H_{40}O_2$	500 mg	CL46.0548.0500
Methyl erucate			
1120-34-9	99+% $C_{23}H_{44}O_2$	500 mg	CL46.0549.0500

Methyl heptadecanoate-D33			
1219804-81-5	99+% $C_{18}D_{33}H_3O_2$	50 mg	CL46.1387.0050
Methyl myristate			
124-10-7	99+% $C_{15}H_{30}O_2$	500 mg	CL46.1388.0500
Methyl oleate			
112-62-9	99+% $C_{19}H_{36}O_2$	500 mg	CL46.1522.0500
Methyl palmitate			
112-39-0	99+% $C_{17}H_{34}O_2$	500 mg	CL46.1693.0500
Methyl palmitoleate			
1120-25-8	99+% $C_{17}H_{32}O_2$	500 mg	CL46.1694.0500
Methyl stearate			
112-61-8	99+% $C_{19}H_{38}O_2$	500 mg	CL46.1928.0500
Methylheptadecanoate			
1731-92-6	99+% $C_{18}H_{36}O_2$	10 mg	CL46.1341.0010
Methyl isobutyl ketone (MIBK), GC reference standard			**NEW**
108-10-1	99+% $C_6H_{12}O$	5 ml 100 ml	CL46.1391.0005 CL46.1391.0100
Methyl tert-butyl ether (MTBE), GC reference standard			**NEW**
1634-04-4	99+% $C_5H_{12}O$	5 ml 100 ml	CL46.1392.0005 CL46.1392.0100
1-(3,4-Dichlorophenyl)-3-methylurea			
3567-62-2	97.0+% $C_8H_8Cl_2N_2O$	10 mg	CL46.0496.0010
Microcystin-LR			
101043-37-2	95.0+% $C_{49}H_{74}N_{10}O_{12}$ - Keep at -20°C	500 µg	CL46.1385.0500
Molinate			
2212-67-1	98.0+% $C_9H_{17}NOS$	10 mg	CL46.1373.0010
Monononadecanoin			**NEW**
112340-30-4	99+% $C_{22}H_{44}O_4$	1 g 100 mg	CL46.1389.0001 CL46.1389.0100
Musk xylene			
81-15-2	97+% $C_{12}H_{15}N_3O_6$	10 mg 100 mg	CL46.1384.0010 CL46.1384.0100
Myristic acid			
544-63-8	99.0+% $C_{14}H_{28}O_2$	100 mg	CL46.1386.0100
Naphthalene			
91-20-3	99+% $C_{10}H_8$	10 mg	CL46.1401.0010
Naphthalene-D8			
1146-65-2	99+% $C_{10}D_8$	10 mg	CL46.1402.0010

1-Naphtol			
90-15-3	99.0+% C10H8O	100 mg	CL46.1403.0100
N-Nitroso-N-methyl-N-phenylamine			
614-00-6	99.0+% C7H8N2O	100 mg	CL46.1451.0100
Nonadecane			
629-92-5	99.0+% C19H40	1 g	CL46.1455.0001
Nonadecanoic acid methyl ester			
1731-94-8	99.5+% C20H40O2 - Keep at -20°C	1 g 5 g 5 g	CL46.1450.0001 CL46.1450.0005 CL46.1450.1005
4-Nonylphenol-di-ethoxylate			
20427-84-3	98.0+% C19H32O3	5 mg	CL46.1440.0005
4-Nonylphenol-mono-ethoxylate			
104-35-8	98.0+% C19H28O2	10 mg	CL46.1441.0010
n-Octadecane			
593-45-3	99+% C18H38	1 g	CL46.1523.0001
Octadecyldimethylbenzylammonium chloride			
122-19-0	98+% C27H50ClN	5 g	CL46.1520.0005
Oleic acid			
112-80-1	99.0+% C18H34O2	100 mg	CL46.1521.0100
Omethoate			
1113-02-6	98.0+% C5H12NO4PS	10 mg	CL46.1510.0010
Oxamyl			
23135-22-0	99.0+% C7H13N3O3S	10 mg	CL46.1515.0010
Palmitic acid			
57-10-3	99.0+% C16H32O2	100 mg	CL46.1691.0100
Palmitoleic acid			
373-49-9	99.0+% C16H30O2	100 mg	CL46.1692.0100
Parathion			
56-38-2	95.0+% C10H14NO5PS	10 mg 500 mg	CL46.1604.0010 CL46.1604.0500
Parathion-ethyl-D10			
350820-04-1	99.0+% C10H4NO5PSD10	5 mg	CL46.1605.0005
Parathion-methyl			
298-00-0	99.0+% C8H10NO5PS	10 mg	CL46.1606.0010
Penconazole			
66246-88-6	99.0+% C13H15Cl2N3	10 mg	CL46.1610.0010

Pendimethalin			
40487-42-1	99.0+% C13H19N3O4	10 mg	CL46.1611.0010
Pentachlorobenzene 99%			
608-93-5	99+% C6HCl5	100 mg	CL46.1614.0100
Pentachloronitrobenzene			
82-68-8	98.0+% C6Cl5NO2	10 mg	CL46.1616.0010
Pentachlorophenol			
87-86-5	99+% C6HCl5O	1 g 10 mg	CL46.1617.0001 CL46.1617.0010
2,3,4,5,6-Pentachlorotoluene 99%			
877-11-2	99+% C7H3Cl5	100 mg	CL46.1690.0100
Pentane-(-n)			
109-66-0	99+% C5H12	100 mg	CL46.1623.0100
Permethrine (mixed isomers)			
52645-53-1	98.0+% C21H20Cl2O3	10 mg	CL46.1629.0010
cis-Permethrin			
61949-76-6	99+% C21H20Cl2O3	5 mg	CL46.1627.0005
trans-Permethrin			
61949-77-7	99+% C21H20Cl2O3	5 mg	CL46.1628.0005
Phenanthrene-D10			
1517-22-2	99+% C14D10	10 mg	CL46.1634.0010
alpha-Pinene			
80-56-8	98+% C10H16	1 g	CL46.1695.0001
Piperonylbutoxide			
51-03-6	98.0+% C19H30O5	10 mg	CL46.1696.0010
Prometryne			
7287-19-6	98+% C10H19N5S	10 mg	CL46.1661.0010
Propachlor			
1918-16-7	99+% C11H14ClNO	10 mg	CL46.1662.0010
Propanol-1 (n-Propanol), GC reference standard			**NEW**
71-23-8	99+% C3H8O	5 ml 100 ml	CL46.0941.0005 CL46.0941.0100
Propanol-2 (iso-Propanol)			
67-63-0	99.8+% C3H8O	100 mg	CL46.0922.0100
Propazine			
139-40-2	98+% C9H16ClN5	10 mg	CL46.1665.0010
Propiconazole			
20207-90-1	99.0+% C15H17Cl2N3O2	10 mg	CL46.1669.0010

Propoxur (Baygon)			
114-26-1	99.0+% C11H15NO3	10 mg 100 mg	CL46.0202.0010 CL46.0202.0100
Propyzamide			
23950-58-5	99+% C12H11Cl2NO	10 mg	CL46.1676.0010
Pyriproxyfen			
95737-68-1	98+% C20H19NO3	10 mg	CL46.1689.0010
Quinalphos			
13593-03-8	99.0+% C12H15N2O3PS	10 mg	CL46.1701.0010
Retinyl palmitate			
79-81-2	98.0+% C36H60O2	5 g	CL46.1803.0005
Ronidazole			
7681-76-7	98.0+% C6H8N4O4 - Keep at -20°C	100 mg	CL46.1802.0100
Rotenone			
83-79-4	98.0+% C23H22O6	10 mg	CL46.1801.0010
Simazine			
122-34-9	99.0+% C7H12ClN5	10 mg	CL46.1910.0010
Simazine D5			
220621-41-0	99.0+% C7H7ClN5D5	5 mg	CL46.1911.0005
Sonar® (Fluoridone)			
59756-60-4	99.0+% C19H14F3NO	10 mg	CL46.1914.0010
Stearic acid			
57-11-4	99.0+% C18H36O2	100 mg	CL46.1927.0100
Styrene			
100-42-5	99+% C8H8 - Keep at -20°C	10 ml 100 mg	CL46.1916.0010 CL46.1916.0100
Sulfaguanidine monohydrate			
6190-55-2	98.0+% C7H10N4O2S	10 mg	CL46.1920.0010
Tebuconazole			
107534-96-3	99.0+% C16H22ClN3O	10 mg	CL46.2002.0010
Tecnazene			
117-18-0	99+% C6HCl4NO2	10 mg	CL46.2006.0010
Terbuthylazine			
5915-41-3	99+% C9H16ClN5	10 mg	CL46.2011.0010
4-Terpineol			
20126-76-5	95+% C10H18O	1 g	CL46.2018.0001
Tetrachloroethene			
127-18-4	99.0+% C2Cl4	100 mg	CL46.2026.0100

Tetraconazole			
112281-77-3	99.0+% C13H11Cl2F4N3O	10 mg	CL46.2033.0010
Tetrahydrofuran (THF), GC reference standard			**NEW**
109-99-9	99.9+% C4H8O (Stabilised with up to 250 ppm BHT)	5 ml 100 ml	CL46.2019.0005 CL46.2019.0100
Thiabendazole			
148-79-8	99.0+% C10H7N3S	10 mg	CL46.2041.0010
Thymol			
89-83-8	99+% C10H14O	1 g	CL46.2017.0001
Toluene-D8			
2037-26-5	99.0+% C7D8	10 mg	CL46.2050.0010
Tributyl phosphate 99%			
126-73-8	99+% C12H27O4P	10 mg	CL46.2064.0010
1,1,1-Trichloroethane			
71-55-6	99+% C2H3Cl3	100 mg	CL46.2076.0100
Trichloroethylene			
79-01-6	99+% C2HCl3	100 mg	CL46.2078.0100
2,3,5-Trichlorophenol			
933-78-8	99.0+% C6H3Cl3O	1 g 10 mg 20 mg	CL46.2084.0001 CL46.2084.0010 CL46.2084.0020
Triclopyr			
55335-06-3	99+% C7H4Cl3NO3	10 mg	CL46.2092.0010
Triflumuron			
64628-44-0	99.0+% C15H10ClF3N2O3	10 mg	CL46.2096.0010
Trinonadecanoin			**NEW**
26536-13-0	99+% C41H80O5	1 g 100 mg	CL47.2016.0001 CL47.2016.0100
1-(3,4-Dichlorophenyl)urea			
2327-02-8	99.0+% C7H6Cl2N2O	10 mg	CL46.0497.0010
Vinclozolin			
50471-44-8	99+% C12H9Cl2NO3	10 mg	CL46.2206.0010
m-Xylene			
108-38-3	99+% C8H10	100 mg	CL46.2404.0100
o-Xylene			
95-47-6	99+% C8H10	10 ml 100 mg	CL46.2402.0010 CL46.2402.0100
p-Xylene			
106-42-3	99+% C8H10	100 mg	CL46.2403.0100

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017

Expires: Jun-2019

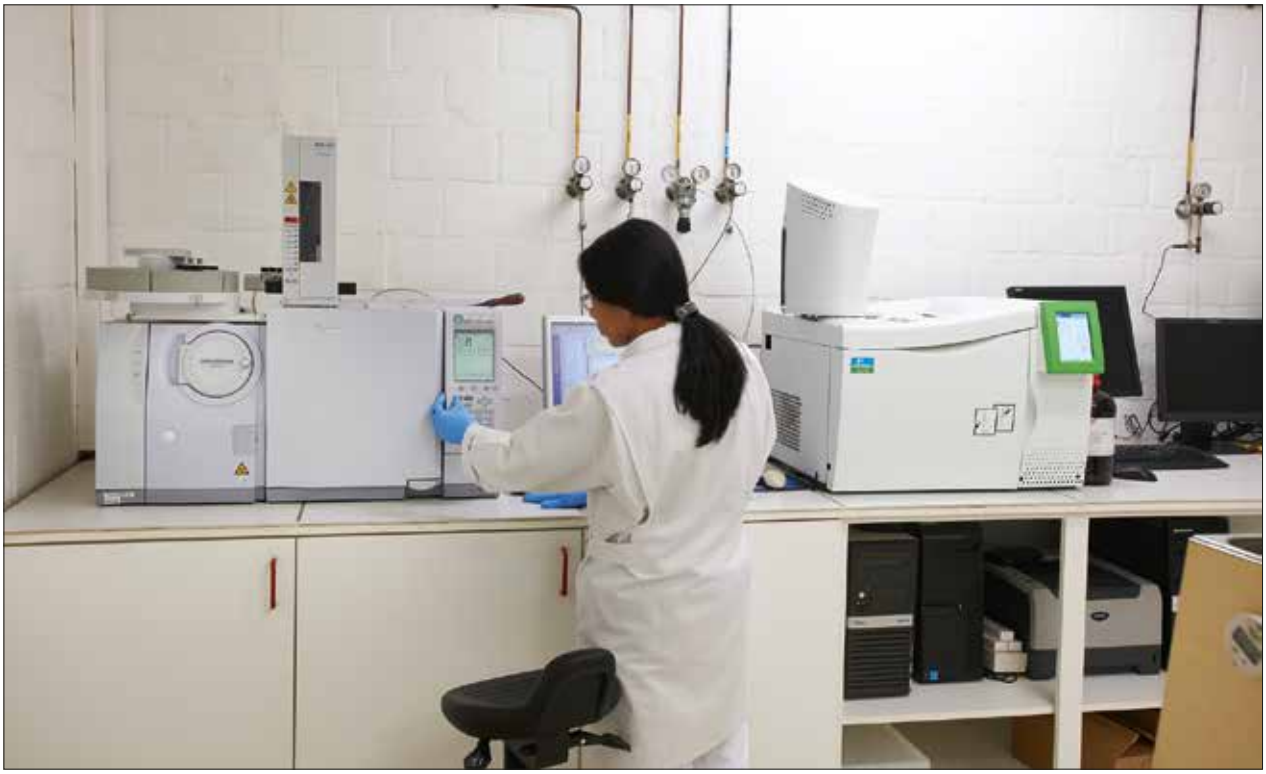
CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F006-Organic-3/02/17

2.3

2 Organic Standards

2.3 Multi Component Standards 259-404



CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

2.3.1

2 Organic Standards

2.3 Organic Multi Component Standards

2.3.1 *EPA 500 Methods for Drinking Water Multi Component Standards*

EPA 500 Series Methods For Drinking Water

Method	Method Description
501	Determination of Trihalomethane Analysis (P&T – GC)
501.3	Determination of Trihalomethane Analysis (P&T – GC/MS)
502	Determination of Volatile Halogenated Organic Compounds (P&T - GC)
503.1	Determination of Volatile Aromatic & Unsaturated Organic Compounds (P&T – GC)
504	Determination of 1,2-Dibromoethane (EDB) & 1,2-Dibromo-3-Chloropropane (DBCP) (Microextraction & GC)
504.1	Determination of EDB, DBCP, and 1,2,3-Trichloropropane (123TCP) (Microextraction & GC)
505	Determination of Organohalide Pesticides and Commercial (PCB) Products (Microextraction & GC)
506	Determination of Phthalate and Adipate Esters (LSE, GC/PID)
507	Determination of Nitrogen and Phosphorus-Containing Pesticides (GC)
508	Determination of Chlorinated Pesticides (GC/ECD)
508A	Screening for Polychlorinated Biphenyls (Perchlorination & GC)
508.1	Determination of Chlorinated Pesticides, Herbicides and Organohalides (LSE, GC/ECD)
509	Determination of Ethylene Thiourea (ETU) in Water (GC)
513	Determination of 2,3,7,8-Tetrachlorodibenzo-p-dioxin in Drinking Water (GC/HPLC)
515.1	Determination of Chlorinated Acids in Water (GC/ECD)
515.2	Determination of Chlorinated Acids in Water (GC/ECD)
515.3	Determination of Chlorinated Acids in Water (LSE, GC/ECD)
515.4	Determination of Chlorinated Acids in Water (GC/ECD)
524.2	Measurement of Purgeable Organic Compounds in Water (LSE, GC/MS)
525.1	Determination of Organic Compounds in Drinking Water (LSE, GC/MS)
525.2	Determination of Organic Compounds in Drinking Water (LSE, GC/MS)
531.1	Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water (HPLC)
532	Determination of Phenylurea Pesticides (HPLC)
535	Measurement of Chloroacetanilide and Other Acetamide Herbicide Degradates in Drinking Water
547	Determination of Glyphosate in Drinking Water (HPLC)
548	Determination of Endothall in Drinking Water (LSE, GC/ECD)
548.1	Determination of Endothall in Drinking Water (GC/MS)
549	Determination of Diquat And Paraquat in Drinking Water (LSE, & HPLC/UV)
550.1	Determination of Polycyclic Aromatic Hydrocarbons in Drinking Water (LSE, HPLC)
551	Determination of Chlorination Disinfection By-products and Chlorinated Solvents (GC/ECD)
551.1	Determination of Chlorination Disinfection By-products, Chlorinated Solvents, Halogenated Pesticides/Herbicides in Drinking Water (GC/ECD)
552	Determination of Haloacetic Acids in Drinking Water (GC/ECD)
552.1	Determination of Haloacetic Acids and Dalapon (LSE, GC/ECD)
552.2	Determination of Haloacetic Acids and Dalapon (LSES, GC/ECD)
554	Determination of Carbonyl Compounds in Drinking Water by DNPH Derivatization (HPLC)
555	Determination of Chlorinated Acids (HPLC)
556	Determination of Carbonyl Compounds in Drinking Water (Pentafluorobenzylhydroxylamine Derivation, GC/ECD)

EPA Method 501
Determination of Trihalomethane Analysis (P&T - GC)

Trihalomethanes (4C) standard solution — CL40.13104

EPA METHOD 501.3, 601/602, 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13104.0001	1 ml	AMP

Trihalomethanes (4C) standard solution — CL40.13501

EPA METHOD 501, 601/602, 8010B — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13501.0001	1 ml	AMP

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Volatile organic compounds (60C) standard solution — CL40.13503

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13503.0001	1 ml	AMP

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Volatile organic compounds (60C) standard solution — CL40.13502

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13502.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution — CL40.13745

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13745.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Liquid volatile organic compounds mixture (54C) standard solution — CL40.13508

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13508.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution — CL40.13506

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13506.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Haloalkanes volatile organic compounds mixture (34C) standard solution — CL40.13507

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13507.0001	1 ml	AMP

Aromatic volatile organics mixture (25C) standard solution — CL40.13504

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Chlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- Ethylbenzene
- Isopropylbenzene
- p-Isopropyltoluene
- Naphthalene
- n-Propylbenzene
- Styrene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene
- p-Xylene
- n-Butylbenzene

Art. Nr.	Pack	Pack Type
CL40.13504.0001	1 ml	AMP

A Certificate of Analysis is provided with each ICP standard stating:

- Actual certified concentration of the final solution
- Traceability to NIST
- Expiration date
- Trace impurities detected

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Aromatic volatile organics mixture (25C) standard solution — CL40.13505

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13505.0001	1 ml	AMP

BTEX & MTBE mixture (7C) standard solution — CL40.13511

EPA METHOD 502/524, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- tert-Butyl methyl ether
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13511.0001	1 ml	AMP

BTEX mixtures (6C) standard solution — NEW — CL40.13767

EPA METHOD 502/524, 8020B, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13767.0001	1 ml	AMP
CL40.13767.0005	5 ml	AMP

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

BTEX mixtures (6C) standard solution — CL40.13510

EPA METHOD 502/524, 8020B, CLP — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13510.0001	1 ml	AMP

Fortification sample mixture (3C) standard solution — CL40.13515

EPA METHOD 502/524 — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 4-Bromofluorobenzene
- 1,2-Dichlorobenzene-d4
- Fluorobenzene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13515.0001	1 ml	AMP

Internal standards mixture #2 (3C) standard solution — CL40.13518

EPA METHOD 502/524 — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 2-Bromo-1-chloropropane
- 1-Chloro-2-fluorobenzene
- Fluorobenzene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13518.0001	1 ml	AMP

Surrogate standards mixture (2C) standard solution — CL40.13516

EPA METHOD 502/524 — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 4-Bromofluorobenzene
- 1.2-Dichlorobenzene-d4

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13516.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 502
Determination of Volatile Halogenated Organic Compounds (P&T - GC)

Internal standards mixtures (2C) standard solution — CL40.13517

EPA METHOD 502/524, 502.2, 8021A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Bromo-1-chloropropane
- Fluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13517.0001	1 ml	AMP

EPA Method 503.1
Determination of Volatile Aromatic & Unsaturated Organic Compounds (P&T - GC)

Volatile aromatic compounds (28C) standard solution — CL40.13520

EPA METHOD 503.1 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Chlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Naphthalene
- n-Propylbenzene
- Styrene
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- Trichloroethene
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13520.0001	1 ml	AMP

EPA Method 504, 504.1
EDB, DBCP, and 1,2,3-Trichloropropane (123TCP) (Microextraction & GC)

EDB/DBCP/123TCA standards mixture (3C) standard solution — CL40.13522

EPA METHOD 504.1 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13522.0001	1 ml	AMP

EPA Method 504, 504.1
EDB, DBCP, and 1,2,3-Trichloropropane (123TCP) (Microextraction & GC)

EDB/DBCP (2C) standard solution — CL40.13521

EPA METHOD 504, 8010B, 8011 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 1,2-Dibromo-3-chloropropane (DBCP)
- 1,2-Dibromoethane (EDB)

Art. Nr.	Pack	Pack Type
CL40.13521.0001	1 ml	AMP

EPA Method 505
Organohalide Pesticides and Commercial (PCB) Products (Microextraction & GC)

Organohalide Pesticides Mix (16C) standard solution — CL40.13772

High quality standard for GC, EPA METHOD 505, ASTM D-5175 Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- alfa-Chlordane (1 µg/ml)
- Alachlor (10 µg/ml)
- Aldrin (1 µg/ml)
- Atrazine (250 µg/ml)
- cis-Nonachlor (1 µg/ml)
- Dieldrin (1 µg/ml)
- Endrin (1 µg/ml)
- gamma-Chlordane (1 µg/ml)
- Heptachlor (1 µg/ml)
- Heptachlor epoxide (isomer B) (1 µg/ml)
- Hexachlorobenzene (1 µg/ml)
- Hexachlorocyclopentadiene (1 µg/ml)
- Lindane (1 µg/ml)
- Methoxychlor (5 µg/ml)
- Simlazine (250 µg/ml)
- trans-Nonachlor (1 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13772.0001	1 ml	AMP

Organohalide pesticides mixture #1 (9C) standard solution — CL40.13523

EPA METHOD 505 Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Alachlor
- Aldrin®
- Dieldrin
- Endrin
- Heptachlor
- Heptachlor epoxide
- Hexachlorobenzene
- Lindane (BHC gamma isomer)
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13523.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 505
Organohalide Pesticides and Commercial (PCB) Products (Microextraction & GC)

Organohalide pesticides mixture #2 (8C) standard solution — CL40.13524

EPA METHOD 505 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Atrazine
- cis-Chlordane
- trans-Chlordane
- Heptachlor
- Hexachlorocyclopentadiene
- cis-Nonachlor
- trans-Nonachlor
- Simazine

Art. Nr.	Pack	Pack Type
CL40.13524.0001	1 ml	AMP

EPA Method 506
Determination of Phthalate and Adipate Esters (LSE, GC/PID)

Phtalate & adipic esters (7C) standard solution — CL40.13525

EPA METHOD 506, 525.2 — Solution contains 1000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-ethylhexyl)adipate
- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13525.0001	1 ml	AMP

Laboratory performance check mixture (7C) standard solution — CL40.13526

EPA METHOD 506 — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bis(2-ethylhexyl)adipate 1.200 µg/ml
- Bis(2-ethylhexyl)phthalate 250 µg/ml
- Butyl benzyl phthalate 250 µg/ml
- Di-n-butyl phthalate 100 µg/ml
- Diethyl phthalate 100 µg/ml
- Dimethyl phthalate 100 µg/ml
- Di-n-octyl phthalate 650 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13526.0001	1 ml	AMP

EPA Method 507
Determination of Nitrogen and Phosphorus-Containing Pesticides (GC)

Pesticides mixture #4 (10C) standard solution — CL40.13530

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

Alachlor
Atraton
Beam®
Bromacil
Butylate
Chlorpropham
Molinate
Propyzamide
Tetrachlorvinphos
Velpar

Art. Nr.	Pack	Pack Type
CL40.13530.0001	1 ml	AMP

Pesticides mixture #2 (9C) standard solution — CL40.13528

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

Atrazine
Diphenamid
S-Ethyl dipropylthiocarbamate
Phosdrin®
Prometryne
Propazine
Prophos
Terbutryne
Triadimefon

Art. Nr.	Pack	Pack Type
CL40.13528.0001	1 ml	AMP

Pesticides mixture #3 (9C) standard solution — CL40.13529

EPA METHOD 507,525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

Butachlor
Carboxin
Diazinon
Metolachlor
Metribuzin
MGK 264®
Norflurazon®
Terbufos
Vernolate

Art. Nr.	Pack	Pack Type
CL40.13529.0001	1 ml	AMP

Pesticides mixture #5 (8C) standard solution — CL40.13531

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

Devrinol®
Dichlorvos
Fenarimol
S-Propyl butylethylthiocarbamate
Simetryn
Sonar®
Tebuthiuron
Terbacil

Art. Nr.	Pack	Pack Type
CL40.13531.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 507
Determination of Nitrogen and Phosphorus-Containing Pesticides (GC)

Pesticides mixture #1 (6C) standard solution — CL40.13527

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Ametryne
- Cycloate
- Disulfoton
- Phenamiphos
- Prometon
- Tributylphosphorotrithioite

Art. Nr.	Pack	Pack Type
CL40.13527.0001	1 ml	AMP

Laboratory performance check mixture (6C) standard solution — CL40.13532

EPA METHOD 507 — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Atrazine 15 µg/ml
- Bromacil 500 µg/ml
- 1,3-Dimethyl-2-nitrobenzene 250 µg/ml
- Prometon 30 µg/ml
- Triphenyl phosphate 250 µg/ml
- Vernolate 5 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13532.0001	1 ml	AMP

EPA Method 508, 508.1
Determination of Chlorinated Pesticides (GC/ECD)

Organochlorine pesticides mixture #1 (17C) standard solution — CL40.13533

EPA METHOD 508/508.1 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- BHC (gamma isomer) (Lindane)
- 4.4'-DDD
- 4.4'-DDE
- 4.4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13533.0001	1 ml	AMP

Organochlorine pesticides mixture #2 (9C) standard solution — CL40.13536

EPA METHOD 508/508.1, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Chloroneb
- Chlorobenzilate
- Chlorothalonil
- Chlorthal
- Hexachlorobenzene
- Permethrin
- Propachlor
- Terrazole®
- Trifluralin

Art. Nr.	Pack	Pack Type
CL40.13536.0001	1 ml	AMP

EPA Method 508, 508.1
Determination of Chlorinated Pesticides (GC/ECD)

Laboratory performance check mixture (4C) standard solution — CL40.13535

EPA METHOD 508/508.1 — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

BHC (delta isomer) 40 µg/ml
Chlorothalonil 50 µg/ml
Chlorpyrifos 2 µg/ml
Chlorthal 50 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13535.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

4,4'-DDT
Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 515.1, 515.2
Determination of Chlorinated Acids in Water (GC/ECD)

Chlorinated acids mixture (16C) standard solution — CL40.13537

EPA METHOD 515.1 — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

Acifluorfen 100 µg/ml	4-Nitrophenol 100 µg/ml
Bentazon 200 µg/ml	Pentachlorophenol 100 µg/ml
Chloramben 100 µg/ml	Picloram 100 µg/ml
2.4-D 200 µg/ml	Silvex 100 µg/ml
Dalapon 1.300 µg/ml	2.4.5-T® 100 µg/ml
2.4-DB 800 µg/ml	Tetrachloroterephthalic acid 20 µg/ml
Dicamba 100 µg/ml	
3,5-Dichlorobenzoic acid 100 µg/ml	
Dichlorprop 300 µg/ml	
Dinoseb 200 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13537.0001	1 ml	AMP

Laboratory performance check mixture (5C) standard solution — CL40.13539

EPA METHOD 515.1/515.2 — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

4,4'-Dibromooctafluorobiphenyl 250 µg/ml
3,5-Dichlorobenzoic acid 600 µg/ml
2,4-Dichlorophenylacetic acid 500 µg/ml
Dinoseb 4 µg/ml
4-Nitrophenol 1.600 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13539.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Volatile organic compounds (60C) standard solution

CL40.13503

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13503.0001	1 ml	AMP

Volatile organic compounds (60C) standard solution

CL40.13502

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13502.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution

CL40.13745

EPA METHOD 502/524, 8021A, 8260A

Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13745.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution

CL40.13508

EPA METHOD 502/524, 8021A, 8260A

Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13508.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution

CL40.13507

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromochloromethane	trans-1.3-Dichloropropene
Bromodichloromethane	Hexachloro-1.3-butadiene
Bromoform	Methyl bromide
Carbon tetrachloride	Methylene chloride
Chlorodibromomethane	Methyl chloride
Chloroethane	1.1.1.2-Tetrachloroethane
Chloroform	1.1.2.2-Tetrachloroethane
1.2-Dibromo-3-chloropropane	Tetrachloroethene
1.2-Dibromoethane	1.1.1-Trichloroethane
Dibromomethane	1.1.2-Trichloroethane
Dichlorodifluoromethane	Trichloroethene
1.1-Dichloroethane	Trichlorofluoromethane
1.2-Dichloroethane	1.2.3-Trichloropropane
1,1-Dichloroethene	
cis-1.2-Dichloroethene	
trans-1.2-Dichloroethene	
1.2-Dichloropropane	
1.3-Dichloropropane	
2.2-Dichloropropane	
1.1-Dichloropropene	
cis-1.3-Dichloropropene	

Art. Nr.	Pack	Pack Type
CL40.13507.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution

CL40.13506

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromochloromethane	trans-1.3-Dichloropropene
Bromodichloromethane	Hexachloro-1.3-butadiene
Bromoform	Methyl bromide
Carbon tetrachloride	Methylene chloride
Chlorodibromomethane	Methyl chloride
Chloroethane	1.1.1.2-Tetrachloroethane
Chloroform	1.1.2.2-Tetrachloroethane
1.2-Dibromo-3-chloropropane	Tetrachloroethene
1.2-Dibromoethane	1.1.1-Trichloroethane
Dibromomethane	1.1.2-Trichloroethane
Dichlorodifluoromethane	Trichloroethene
1.1-Dichloroethane	Trichlorofluoromethane
1.2-Dichloroethane	1.2.3-Trichloropropane
1,1-Dichloroethene	
cis-1.2-Dichloroethene	
trans-1.2-Dichloroethene	
1.2-Dichloropropane	
1.3-Dichloropropane	
2.2-Dichloropropane	
1.1-Dichloropropene	
cis-1.3-Dichloropropene	

Art. Nr.	Pack	Pack Type
CL40.13506.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

Aromatic volatile organics mixture (25C) standard solution — CL40.13504

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13504.0001	1 ml	AMP

Aromatic volatile organics mixture (25C) standard solution — CL40.13505

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13505.0001	1 ml	AMP

Purgeable organic compounds - supplement (23C) standard solution — CL40.13509

EPA METHOD 524.2, 8260A — Solution contains 100 µg/ml in Methanol/Water (95/5)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Acetone	Methyl iodide
Acrylonitrile	Methyl methacrylate
2-Butanone	4-Methyl-2-pentanone
Carbon disulfide	tert-Butyl methyl ether
Chloroacetonitrile	Nitrobenzene
1-Chlorobutane	2-Nitropropane
1.4-Dichloro-2-butene cis & trans	Pentachloroethane
1,1-Dichloroacetone	Propionitrile
Ethyl ether	Tetrahydrofuran
Ethyl methacrylate	
Hexachloroethane	
2-Hexanone	
Methacrylonitrile	
Methyl acrylate	

Art. Nr.	Pack	Pack Type
CL40.13509.0001	1 ml	AMP

Promulgated volatiles mixture (12C) standard solution — CL40.13513

EPA METHOD 524.2 Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Chlorobenzene
- 1.2-Dichlorobenzene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- Ethylbenzene
- Styrene
- Tetrachloroethene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13513.0001	1 ml	AMP

Regulated volatiles mixture (12C) standard solution — CL40.13512

EPA METHOD 524.2 Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chloroform
- Chlorodibromomethane
- 1.4-Dichlorobenzene
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- 1.1.1-Trichloroethane
- Trichloroethene
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13512.0001	1 ml	AMP

BTEX & MTBE mixture (7C) standard solution — CL40.13511

EPA METHOD 502/524, CLP Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- tert-Butyl methyl ether
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13511.0001	1 ml	AMP

BTEX mixtures (6C) standard solution — NEW CL40.13767

EPA METHOD 502/524, 8020B, CLP Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13767.0001	1 ml	AMP
CL40.13767.0005	5 ml	AMP

BTEX mixtures (6C) standard solution — CL40.13510

EPA METHOD 502/524, 8020B, CLP — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13510.0001	1 ml	AMP

Internal standards mixture #2 (3C) standard solution — CL40.13518

EPA METHOD 502/524 — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 2-Bromo-1-chloropropane
- 1-Chloro-2-fluorobenzene
- Fluorobenzene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13518.0001	1 ml	AMP

Internal standards mixture - high concentration (3C) standard solution — CL40.13519

EPA METHOD 524.2 — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 4-Bromofluorobenzene
- 1,2-Dichlorobenzene-d4
- Fluorobenzene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13519.0001	1 ml	AMP

Phase volatile additions mixture (3C) standard solution — CL40.13514

EPA METHOD 524.2 — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Methylene chloride
- 1.2.4-Trichlorobenzene
- 1.1.2-Trichloroethane

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13514.0001	1 ml	AMP

EPA Method 524.2
Measurement of Purgeable Organic Compounds in Water (LSE, GC/MS)

Fortification sample mixture (3C) standard solution — CL40.13515

EPA METHOD 502/524 Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Bromofluorobenzene
- 1,2-Dichlorobenzene-d4
- Fluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13515.0001	1 ml	AMP

Internal standards mixtures (2C) standard solution — CL40.13517

EPA METHOD 502/524, 502.2, 8021A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Bromo-1-chloropropane
- Fluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13517.0001	1 ml	AMP

Surrogate standards mixture (2C) standard solution — CL40.13516

EPA METHOD 502/524 Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Bromofluorobenzene
- 1.2-Dichlorobenzene-d4

Art. Nr.	Pack	Pack Type
CL40.13516.0001	1 ml	AMP

EPA Method 525.2
Determination of Organic Compounds in Drinking Water (LSE, GC/MS)

PAH mixture (13C) standard solution — CL40.13542

EPA METHOD 525.2 Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Acenaphthylene
- Anthracene
- 1.2-Benzanthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1.12-Benzoperylene
- Benzo(a)pyrene
- Chrysene
- 1.2:5.6-Dibenzanthracene
- Fluorene
- Indeno(1.2.3-C.D)pyrene
- Phenanthrene
- Pyrene

Art. Nr.	Pack	Pack Type
CL40.13542.0001	1 ml	AMP

PAH mixture (13C) standard solution — CL40.13541

EPA METHOD 525.1/525.2 Solution contains 100 ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

Acenaphthylene	Fluorene
Anthracene	Indeno(1.2.3-C.D)pyrene
1.2-Benzanthracene	Phenanthrene
Benzo(b)fluoranthene	Pyrene
Benzo(k)fluoranthene	
1.12-Benzoperylene	
Benzo(a)pyrene	
Chrysene	
1.2:5.6-Dibenzanthracene	

Art. Nr.	Pack	Pack Type
CL40.13541.0001	1 ml	AMP

Organochlorine pesticides mixture (12C) standard solution — CL40.13545

EPA METHOD 525.2 Solution contains 100ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

Alachlor	Methoxychlor
Aldrin®	trans-Nonachlor
Atrazine	Simazine
cis-Chlordane	
trans-Chlordane	
Endrin	
Heptachlor	
Heptachlor epoxide	
Lindane (BHC gamma isomer)	

Art. Nr.	Pack	Pack Type
CL40.13545.0001	1 ml	AMP

Pesticides mixture #4 (10C) standard solution — CL40.13530

EPA METHOD 507, 525.2 Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

Alachlor	Velpar
Atraton	
Beam®	
Bromacil	
Butylate	
Chlorpropham	
Molinate	
Propyzamide	
Tetrachlorvinphos	

Art. Nr.	Pack	Pack Type
CL40.13530.0001	1 ml	AMP

Organochlorine pesticides mixture #2 (9C) standard solution — CL40.13536

EPA METHOD 508/508.1, 525.2 Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

Chloroneb
Chlorobenzilate
Chlorothalonil
Chlorthal
Hexachlorobenzene
Permethrin
Propachlor
Terrazole®
Trifluralin

Art. Nr.	Pack	Pack Type
CL40.13536.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 525.2
Determination of Organic Compounds in Drinking Water (LSE, GC/MS)

Extractables mixture (9C) standard solution — CL40.13540

EPA METHOD 525.1/525.2 Solution contains stated concentration in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

Bis(2-ethylhexyl)adipate 100 µg/ml
Bis(2-ethylhexyl)phthalate 100 µg/ml
Butyl benzyl phthalate 100 µg/ml
Di-n-butyl phthalate 100 µg/ml
Diethyl phthalate 100 µg/ml
Dimethyl phthalate 100 µg/ml
Hexachlorobenzene 100 µg/ml
Hexachlorocyclopentadiene 100 µg/ml
Pentachlorophenol 400 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13540.0001	1 ml	AMP

Pesticides mixture #2 (9C) standard solution — CL40.13528

EPA METHOD 507, 525.2 Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

Atrazine
Diphenamid
S-Ethyl dipropylthiocarbamate
Phosdrin®
Prometryne
Propazine
Prophos
Terbutryne
Triadimefon

Art. Nr.	Pack	Pack Type
CL40.13528.0001	1 ml	AMP

PCB mixture (8C) standard solution — CL40.13543

EPA METHOD 525.1/525.2 Solution contains 100 ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2-Chlorobiphenyl (PCB 1)
2.3-Dichlorobiphenyl (PCB 5)
2.4.5-Trichlorobiphenyl (PCB 29)
2.2'.4.4'-Tetrachlorobiphenyl (PCB 47)
2,2',3',4,6-Pentachlorobiphenyl (PCB 98)
2.2'.4.4'.5.6'-Hexachlorobiphenyl (PCB 154)
2.2'.3.3'.4.4'.6-Heptachlorobiphenyl (PCB 171)
2.2'.3.3'.4.5'.6.6'-Octachlorobiphenyl (PCB 200)

Art. Nr.	Pack	Pack Type
CL40.13543.0001	1 ml	AMP

PCB mixture (8C) standard solution — CL40.13544

EPA METHOD 525.2 Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2-Chlorobiphenyl
2.3-Dichlorobiphenyl
2.4.5-Trichlorobiphenyl
2.2'.4.4'-Tetrachlorobiphenyl
2,2',3',4,6-Pentachlorobiphenyl
2.2'.4.4'.5.6'-Hexachlorobiphenyl
2.2'.3.3'.4.4'.6-Heptachlorobiphenyl
2.2'.3.3'.4.5'.6.6'-Octachlorobiphenyl

Art. Nr.	Pack	Pack Type
CL40.13544.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Pesticides mixture #5 (8C) standard solution — CL40.13531

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

- Devrinol®
- Dichlorvos
- Fenarimol
- S-Propyl butylethylthiocarbamate
- Simetryn
- Sonar®
- Tebuthiuron
- Terbacil

Art. Nr.	Pack	Pack Type
CL40.13531.0001	1 ml	AMP

Fortification mixture (7C) standard solution — CL40.13547

EPA METHOD 525.2 — Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

- Acenaphthene-d10
- Chrysene-d12
- Phenanthrene-d10
- 1,3-Dimethyl-2-nitrobenzene
- Perylene-d12
- Triphenyl phosphate
- Pyrene-d10

Art. Nr.	Pack	Pack Type
CL40.13547.0001	1 ml	AMP

Phtalate & adipic esters (7C) standard solution — CL40.13525

EPA METHOD 506, 525.2 — Solution contains 1000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235
DANGER.

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

- Bis(2-ethylhexyl)adipate
- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13525.0001	1 ml	AMP

Pesticides mixture #1 (6C) standard solution — CL40.13527

EPA METHOD 507, 525.2 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

- Ametryne
- Cycloate
- Disulfoton
- Phenamiphos
- Prometon
- Tributylphosphorotrithioite

Art. Nr.	Pack	Pack Type
CL40.13527.0001	1 ml	AMP

Internal standard (4C) standard solution — CL40.13546

EPA METHOD 525.1/525.2 Solution contains 500 ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

Acenaphthene-d10
Chrysene-d12
Phenanthrene-d10
Perylene-d12

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13546.0001	1 ml	AMP

Internal standards mixture (3C) standard solution — CL40.13549

EPA METHOD 525.1/525.2 Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

Acenaphthene-d10
Chrysene-d12
Phenanthrene-d10

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13549.0001	1 ml	AMP

Performance check mixture (3C) standard solution — CL40.13548

EPA METHOD 525.2 Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

4.4'-DDT
Decafluorotriphenylphosphine
Endrin

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13548.0001	1 ml	AMP

Surrogate standards mixture (3C) standard solution — CL40.13550

EPA METHOD 525.2 Solution contains 500ug/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

1,3-Dimethyl-2-nitrobenzene
Perylene-d12
Triphenyl phosphate

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13550.0001	1 ml	AMP

EPA Method 525.2
Determination of Organic Compounds in Drinking Water (LSE, GC/MS)

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

- 4,4'-DDT
- Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 531.1
Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water (HPLC)

Carbamate pesticides (10C) standard solution — CL40.13576

EPA METHOD 531.1, 8318 — Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Aldicarb
- Aldicarb sulfone
- Aldicarb sulfoxide
- Carbaryl
- Carbofuran
- 3-Hydroxycarbofuran
- Methiocarb
- Methomyl
- Oxamyl
- Propoxur (Baygon)

Art. Nr.	Pack	Pack Type
CL40.13576.0001	1 ml	AMP

Laboratory performance check mixture (4C) standard solution — CL40.13551

EPA METHOD 531.1, 8318 — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Aldicarb sulfoxide 100 µg/ml
- BDMC 10 µg/ml
- 3-Hydroxycarbofuran 2 µg/ml
- Methiocarb 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13551.0001	1 ml	AMP

EPA Method 550.1
Determination of Polycyclic Aromatic Hydrocarbons in Drinking Water (LSE, HPLC)

PAH fortification mixture (16C) standard solution — CL40.13552

EPA METHOD 550.1 Solution contains stated concentration in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Acenaphthene 1.000 µg/ml	Fluoranthene 2.5 µg/ml
Acenaphthylene 1.000 µg/ml	Fluorene 100 µg/ml
Anthracene 50 µg/ml	Indeno(1.2.3-C.D)pyrene 10 µg/ml
1.2-Benzanthracene 1 µg/ml	Naphthalene 1000 µg/ml
Benzo(b)fluoranthene 1 µg/ml	Phenanthrene 50 µg/ml
Benzo(k)fluoranthene 1 µg/ml	Pyrene 50 µg/ml
1.12-Benzoperylene 5 µg/ml	
Benzo(a)pyrene 5 µg/ml	
Chrysene 50 µg/ml	
1.2:5.6-Dibenzanthracene 10 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13552.0001	1 ml	AMP

EPA Method 551,1
Disinfection By-Products, Chlorinated Solvents and Pesicides/Herbicides in Drinking Water

Chlorination disinfection byproducts mixture (19C) standard solution — CL40.13553

EPA METHOD 551.1 Solution contains 2000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Bromochloroacetonitrile	Tetrachloroethene
Bromodichloromethane	Trichloroacetonitrile
Bromoform	1.1.1-Trichloroethane
Carbon tetrachloride	1.1.2-Trichloroethane
Chlorodibromomethane	Trichloroethene
Chloroform	1.2.3-Trichloropropane
Chloropicrin	1,1,1-Trichloro-2-propanone
Dibromoacetonitrile	
1.2-Dibromo-3-chloropropane	
1,2-Dibromoethane	
1,1-Dichloroacetone	
Dichloroacetonitrile	

Art. Nr.	Pack	Pack Type
CL40.13553.0001	1 ml	AMP

Chlorination disinfection byproducts (17C) standard solution — CL40.13555

EPA METHOD 551 Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Bromchloroacetonitrile	Dichloroacetonitrile
Bromodichloromethane	Tetrachloroethene
Bromoform	Trichloroacetonitrile
Carbon tetrachloride	1,1,1-Trichloroethane
Chlorodibromomethane	Trichloroethene
Chloroform	1,1,1-Trichloro-2-propanone
Chloropicrin	
Dibromoacetonitrile	
1,2-Dibromo-3-chloropropane	
1,2-Dibromoethane	
1,1-Dichloroacetone	

Art. Nr.	Pack	Pack Type
CL40.13555.0001	1 ml	AMP

EPA Method 551,1
Disinfection By-Products, Chlorinated Solvents and Pesicides/Herbicides in Drinking Water

VOC Mix (7C) standard solution

NEW CL40.39039

High quality standard for GC EPA METHOD 551, 8010 Solution contains stated concentrations in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane (50 µg/mL)
- Dibromochloromethane (50 µg/mL)
- Tetrachloroethene (20 µg/mL)
- Tetrachloromethane (6 µg/mL)
- Tribromomethane (50 µg/mL)
- Trichloroethene (60 µg/mL)
- Trichloromethane (50 µg/mL)

Art. Nr.	Pack	Pack Type
CL40.39039.0001	1 ml	AMP

Chlorinated disinfectants mixture (7C) standard solution

CL40.13554

EPA METHOD 551 Solution contains 5000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Bromochloroacetonitrile
- Chloropicrin
- 1,1-Dichloroacetone
- Dibromoacetonitrile
- Dichloroacetonitrile
- Trichloroacetonitrile
- 1,1,1-Trichloro-2-propanone

Art. Nr.	Pack	Pack Type
CL40.13554.0001	1 ml	AMP

EPA Method 552, 552.1, 552.2
Determination of Haloacetic Acids and Dalapon (LSE, GC/ECD)

Methylated haloacetic acids mixture (11C) standard solution

CL40.13559

EPA METHOD 552.2 Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Dalapon methyl ester 400 µg/ml
- 2,3-Dibromopropionic acid methyl ester 1.000 µg/ml
- Methyl bromoacetate 400 µg/ml
- Methyl bromochloroacetate 400 µg/ml
- Methyl bromodichloroacetate 400 ug /mL
- Methyl chloroacetate 600 µg/ml
- Methyl chlorodibromoacetate1.000 ug /mL
- Methyl dibromoacetate 200 µg/ml
- Methyl dichloroacetate 600 µg/ml
- Methyl tribromoacetate 2.000 µg/ml
- Methyltrichloroacetate 200 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13559.0001	1 ml	AMP

Haloacetic acids mixture (11C) standard solution

CL40.13558

EPA METHOD 552.2 Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Bromoacetic acid 400 µg/ml
- Bromochloroacetic acid 400 µg/ml
- Bromodichloroacetic acid 400 µg/ml
- Chloroacetic acid 600 µg/ml
- Chlorodibromoacetic acid 1.000 µg/ml
- Dalapon 400 µg/ml
- Dibromoacetic acid 200 µg/ml
- 2.3-Dibromopropionic acid 1.000 µg/ml
- Dichloroacetic acid 600 µg/ml
- Tribromoacetic acid 2.000 µg/ml
- Trichloroacetic acid 200 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13558.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 552, 552.1, 552.2
Determination of Haloacetic Acids and Dalapon (LSE, GC/ECD)

Haloacetic acids mixture (8C) standard solution — CL40.13556

EPA METHOD 552 — Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Bromoacetic acid
- Bromochloroacetic acid
- Chloroacetic acid
- Dibromoacetic acid
- Dichloroacetic acid
- 2,4-Dichlorophenol
- Trichloroacetic acid
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13556.0001	1 ml	AMP

Haloacetic acids mixture (7C) standard solution — CL40.13557

EPA METHOD 552.1 — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

- Bromoacetic acid 200 µg/ml
- Bromochloroacetic acid 200 µg/ml
- Chloroacetic acid 300 µg/ml
- Dalapon 200 µg/ml
- Dibromoacetic acid 100 µg/ml
- Dichloroacetic acid 300 µg/ml
- Trichloroacetic acid 100 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13557.0001	1 ml	AMP

EPA Method 554
Determination of Carbonyl Compounds in Drinking Water By DNPH Derivatization (HPLC)

Derivated carbonyl compounds (12C) standard solution — CL40.13560

EPA METHOD 554 — Solution contains 1000 µg/ml in Methanol/Acetonitrile (4/6)

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetaldehyde (DNPH Derivative)
- n-Butyraldehyde (DNPH Derivative)
- Crotonaldehyde (DNPH Derivative)
- Cyclohexanone (DNPH Derivative)
- Decyl aldehyde (DNPH Derivative)
- Formaldehyde (DNPH Derivative)
- Heptaldehyde (DNPH Derivative)
- Hexaldehyde (DNPH Derivative)
- Nonanal (DNPH Derivative)
- Octyl aldehyde (DNPH Derivative)
- Propionaldehyde (DNPH Derivative)
- Valeraldehyde (DNPH Derivative)

Art. Nr.	Pack	Pack Type
CL40.13560.0001	1 ml	AMP

Carbonyl compounds (12C) standard solution — CL40.13561

EPA METHOD 554 — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetaldehyde (DNPH Derivative)
- n-Butyraldehyde (DNPH Derivative)
- Crotonaldehyde (DNPH Derivative)
- Cyclohexanone (DNPH Derivative)
- Decyl aldehyde (DNPH Derivative)
- Formaldehyde (DNPH Derivative)
- Heptaldehyde (DNPH Derivative)
- Hexaldehyde (DNPH Derivative)
- Nonanal (DNPH Derivative)
- Octyl aldehyde (DNPH Derivative)
- Propionaldehyde (DNPH Derivative)
- Valeraldehyde (DNPH Derivative)

Art. Nr.	Pack	Pack Type
CL40.13561.0001	1 ml	AMP

Chlorinated acids mixture (8C) standard solution

CL40.13562

EPA METHOD 555 Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Acifluorfen
Bentazon
Chloramben
2,4-D
Dicamba
Dichlorprop
Picloram
Silvex

Art. Nr.	Pack	Pack Type
CL40.13562.0001	1 ml	AMP

EPA 500

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Page 1 of 2

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017
Expires: Jun-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Page 2 of 2

F006-Organic-3/02/17

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Secretariat:
Service public fédéral, Economie,
P.M.E., Classes moyennes et Energie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348

Accréditation B E L A C Accreditatie
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be

Secretariaat:
Federale Overheidsdienst, Economie,
K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348

.be

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Secretariat:
Service public fédéral, Economie,
P.M.E., Classes moyennes et Energie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348

Accréditation B E L A C Accreditatie
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be

Secretariaat:
Federale Overheidsdienst, Economie,
K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348

.be

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

2.3.2

2 Organic Standards

2.3 Organic Multi Component Standards

2.3.2 *EPA 600 Methods for Wastewater Pollutants Multi Component Standards*

EPA 600 Series Methods For Wastewater Pollutants

Method	Method Description
601/602	Determination of Purgeable Halocarbons (ELCD)/Purgeable Aromatics (PID) Combined
603	Determination of Acrolein & Acrylonitrile (GC/FID)
604	Determination of Phenols (GC/FID), Phenols as PFB Derivatives (GC/ECD)
604.1	Determination of Hexachlorophene & Dichlorphen (HPLC) in Wastewaters
605	Determination of Benzidines (HPLC)
606	Determination of Phthalate Ester (GC/ECD)
607	Determination of Nitrosamines (GC)
608	Determination of Organochlorine Pesticides & PCB's (GC/ECD)
608.1	Determination of Organochlorine Pesticides in Water (GC/ECD)
608.2	Determination of Certain Organochlorine Pesticides in Wastewaters (GC)
609	Determination of Nitroaromatics & Isophorone (GC/FID), (GC/ECD)
610	Determination of Polynuclear Aromatic Hydrocarbons (GC/FID), (HPLC)
612	Determination of Chlorinated Hydrocarbons (GC/ECD)
613	Determination of Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) (GC/MS)
614	Determination of Organophosphorus Pesticides in Water (GC/MS)
614.1	Determination of Organophosphorus Pesticides in Wastewaters (GC)
615	Determination of Chlorinated Herbicides in Wastewaters (GC/ECD)
617	Determination of Oranohalide Pesticides & PCB's in Wastewaters (GC/ECD)
618	Determination of Volatile Pesticides in Municipal And Industrial Wastewaters (GC)
619	Determination of Triazine Pesticides / Herbicides in Wastewaters (GC)
622	Determination of Organophosphorus Pesticides in Wastewaters (GC)
624	Determination of Purgeables, Volatiles (P&T GC/MS)
625	Determination of Base/Neutrals & Acids, Semivolatiles, Pesticides, Aroclors (GC/MS)
627	Determination of Dinitroaniline Pesticides in Wastewaters (GC)
629	Determination of Cyanazine (HPLC UV) with optional Florisil column cleanup procedure
630	Determination of Dithiocarbamate Pesticides in Wastewaters (UV/VIS)
630.1	Determination of Dithiocarbamate Pesticides in Wastewater As Carbon Disulfide (GC)
631	Determination of Benomyl & Carbendazim in Wastewater (HPLC)
632	Determination of Carbamate & Urea Pesticides in Wastewater (HPLC)
633.1	Determination of Neutral Nitrogen-Containing Pesticides (GC/MS)
634	Determination of Thiocarbamate Pesticides in Wastewaters (GC)
635	Determination of Rotenone in Wastewaters (HPLC/UV)
636	Determination of Bensulide in Wastewaters (HPLC/UV)
638	Determination of Oryzal in Wastewaters (HPLC/UV)
639	Determination of Bendiocarb in Wastewaters (HPLC/UV)
640	Mercaptobenzothiazole in Wastewaters (HPLC/UV)
641	Determination of Thiabendazole in Wastewaters (HPLC)
643	Determination of Bentazon in Wastewaters (HPLC)
644	Determination of Picloram in Wastewater (HPLC/UV)
645	Determination of Amine Pesticides & Lethane in Wastewaters (GC/MS)
680	Determination of Pesticides & PCB Congeners (GC/MS)

EPA Method 601
Determination of Purgeable Halocarbons (ELCD)

Purgeable hydrocarbons and aromatics mixture (25C) standard solution — CL40.13563

EPA METHOD 601/602, 624/1624 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroform
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Methylene chloride
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13563.0001	1 ml	AMP

Trihalomethanes (4C) standard solution — CL40.13104

EPA METHOD 501.3, 601/602, 8010B Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13104.0001	1 ml	AMP

Trihalomethanes (4C) standard solution — CL40.13501

EPA METHOD 501, 601/602, 8010B Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13501.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

EPA Method 601
Determination of Purgeable Halocarbons (ELCD)

Purgeables - internal standards (3C) standard solution

CL40.13564

EPA METHOD 601/602, 624/1624, 8010B Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- 2-Bromo-1-chloropropane
- 1,4-Dichlorobutane

Art. Nr.	Pack	Pack Type
CL40.13564.0001	1 ml	AMP

EPA Method 602
Determination of Purgeable Aromatics (PID)

Purgeable hydrocarbons and aromatics mixture (25C) standard solution

CL40.13563

EPA METHOD 601/602, 624/1624 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroform
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Methylene chloride
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13563.0001	1 ml	AMP

Trihalomethanes (4C) standard solution

CL40.13104

EPA METHOD 501.3, 601/602, 8010B Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13104.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 602
Determination of Purgeable Aromatics (PID)

Trihalomethanes (4C) standard solution — CL40.13501

EPA METHOD 501, 601/602, 8010B — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13501.0001	1 ml	AMP

Purgeables - internal standards (3C) standard solution — CL40.13564

EPA METHOD 601/602, 624/1624, 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- 2-Bromo-1-chloropropane
- 1,4-Dichlorobutane

Art. Nr.	Pack	Pack Type
CL40.13564.0001	1 ml	AMP

Purgeables - aromatics (7C) standard solution — CL40.13565

EPA METHOD 602 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Chlorobenzene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Ethylbenzene
- Toluene

Art. Nr.	Pack	Pack Type
CL40.13565.0001	1 ml	AMP

EPA Method 604
Determination of Phenols (GC/FID), Phenols as PFB Derivatives (GC/ECD)

Phenol Mix (17C) standard solution — NEW — CL40.39183

High quality standard for GC EPA METHOD 604, 625/1625, 8270C — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- m-Cresol (3-methylphenol)
- o-Cresol (2-methylphenol)
- p-Cresol (4-methylphenol)
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- 2-Methyl-4,6-dinitrophenol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.39183.0001	1 ml	AMP

EPA Method 604
Determination of Phenols (GC/FID), Phenols as PFB Derivatives (GC/ECD)

Phenols (11C) standard solution — CL40.13566

EPA METHOD 604, 625/1625, 8270C — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methyl phenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-o-cresol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13566.0001	1 ml	AMP

Phenols (11C) standard solution — CL40.13746

EPA METHOD 604, 625/1625, 8270C — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methyl phenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-o-cresol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13746.0001	1 ml	AMP

EPA Method 605
Determination of Benzidines (HPLC)

Benzidines mixture (2C) standard solution — CL40.13567

EPA METHOD 605, 625/1625, 8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzidine
3,3-Dichlorobenzidine

Art. Nr.	Pack	Pack Type
CL40.13567.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 606
Determination of Phthalate Ester (GC/ECD)

Phtalate esters (6C) standard solution — CL40.13570

EPA METHOD 606, 625/1625, 8060 — Solution contains 2000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13570.0001	1 ml	AMP

Phtalate esters - control sample mixture (6C) standard solution — CL40.13569

EPA METHOD 606, 8060 — Solution contains stated concentration in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Bis(2-ethylhexyl) phthalate 50 µg/ml
- Butyl benzyl phthalate 10 µg/ml
- Di-n-butyl phthalate 25 µg/ml
- Diethyl phthalate 25 µg/ml
- Dimethyl phthalate 25 µg/ml
- Di-n-octyl phthalate 50 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13569.0001	1 ml	AMP

Phtalate esters (6C) standard solution — CL40.13568

EPA METHOD 606, 625/1625, 8060 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13568.0001	1 ml	AMP

EPA Method 607
Determination of Nitrosamines (GC)

Nitrosoamines (3C) standard solution — CL40.13580

EPA METHOD 607, 8070 — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-n-propylamine

Art. Nr.	Pack	Pack Type
CL40.13580.0001	1 ml	AMP

EPA Method 608
Determination of Organochlorine Pesticides & PCB's (GC/ECD)

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- Arochlor 1242
- Arochlor 1254
- Arochlor 1221
- Arochlor 1232
- Arochlor 1248
- Arochlor 1260
- Arochlor 1016
- a-BHC
- b-BHC
- d-BHC
- Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Lindane (g-BHC)
- Methoxychlor
- Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution — CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Pesticides - control sample mixture (13C) standard solution — CL40.13574

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- Aldrin® 20 µg/ml
- BHC (alpha isomer) 20 µg/ml
- BHC (beta isomer) 20 µg/ml
- 4.4'-DDD 100 µg/ml
- 4.4'-DDE 20 µg/ml
- 4.4'-DDT 100 µg/ml
- Dieldrin 20 µg/ml
- a-Endosulfan 20 µg/ml
- b-Endosulfan 100 µg/ml
- Endosulfan sulfate 100 µg/ml
- Endrin 100 µg/ml
- Heptachlor 20 µg/ml
- Heptachlor epoxide 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13574.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 608
Determination of Organochlorine Pesticides & PCB's (GC/ECD)

Pesticides - control sample mixture (13C) standard solution — CL40.13747

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Aldrin® 1000 µg/ml
BHC (alpha isomer) 1000 µg/ml
BHC (beta isomer) 1000 µg/ml
4.4'-DDD 5000 µg/ml
4.4'-DDE 1000 µg/ml
4.4'-DDT 5000 µg/ml
Dieldrin 1000 µg/ml
a-Endosulfan 1000 µg/ml
b-Endosulfan 5000 µg/ml
Endosulfan sulfate 5000 µg/ml
Endrin 5000 µg/ml
Heptachlor 1000 µg/ml
Heptachlor epoxide 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13747.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

4,4'-DDT
Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 609
Determination of Nitroaromatics & Isophorone (GC/FID), (GC/ECD)

Nlitroaromatrics & ketones - control sample mixture (4C) standard solution — CL40.13573

EPA METHOD 609, 8090 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2.4-Dinitrotoluene
2.6-Dinitrotoluene
Isophorone
Nitrobenzene

Art. Nr.	Pack	Pack Type
CL40.13573.0001	1 ml	AMP

EPA Method 610
Determination of Polynuclear Aromatic Hydrocarbons (GC/FID), (HPLC)

PAHs Mix (16C) standard solution

NEW CL40.13256

High quality standard for EPA 610 — Solution contains stated concentration in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Acenaphthene 1000 µg/mL	Fluorene 200 µg/mL
Acenaphthylene 2000 µg/mL	Indeno[1,2,3-cd]pyrene 100 µg/mL
Anthracene 100 µg/mL	Naphthalene 1000 µg/mL
Benz[a]anthracene 100 µg/mL	Phenanthrene 100 µg/mL
Benzo[b]fluoranthene 200 µg/mL	Pyrene 100 µg/mL
Benzo[k]fluoranthene 100 µg/mL	
Benzo[ghi]perylene 200 µg/mL	
Benzo[a]pyrene 100 µg/mL	
Chrysene 100 µg/mL	
Dibenz[a,h]anthracene 200 µg/mL	
Fluoranthene 200 µg/mL	

Art. Nr.	Pack	Pack Type
CL40.13256.0001	1 ml	AMP

Polynuclear aromatic hydrocarbons (PAH) (16C) standard solution

CL40.13575

EPA METHOD 610, 8100, 8270C, 8310, CLP — Solution contains 200 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H319-H340-H350-H372-H412
PNrs P201-P210-P273-P301 + P310-P308 + P313-P331

DANGER.

Acenaphthene	Fluorene
Acenaphthylene	Indeno(1,2,3-C,D)pyrene
Anthracene	Naphthalene
1,2-Benzanthracene	Phenanthrene
Benzo(b)fluoranthene	Pyrene
Benzo(k)fluoranthene	
1,12-Benzoperylene	
Benzo(a)pyrene	
Chrysene	
1,2:5,6-Dibenzanthracene	
Fluoranthene	

Art. Nr.	Pack	Pack Type
CL40.13575.0001	1 ml	AMP

EPA Method 612
Determination of Chlorinated Hydrocarbons (GC/ECD)

Chlorinated hydrocarbons (9C) standard solution

CL40.13577

EPA METHOD 612, 8120A — Solution contains 100 µg/ml in Methanol/Dichloromethane (1/1)

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2-Chloronaphthalene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
1,2,4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13577.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 612
Determination of Chlorinated Hydrocarbons (GC/ECD)

Chlorinated hydrocarbons mixture #2 (9C) standard solution — CL40.13744

EPA METHOD 612 — Solution contains stated concentration in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

2-Chloronaphthalene 400 µg/ml
1.2-Dichlorobenzene 200 µg/ml
1.3-Dichlorobenzene 200 µg/ml
1.4-Dichlorobenzene 400 µg/ml
Hexachlorobenzene 1 µg/ml
Hexachloro-1.3-butadiene 1 µg/ml
Hexachlorocyclopentadiene 1 µg/ml
Hexachloroethane 1 µg/ml
1.2.4-Trichlorobenzene 40 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13744.0001	1 ml	AMP

EPA Method 614, 614.1
Determination of Organophosphorous Pesticides in Water (GC/MS)

Organophosphorus pesticides mixture #1 (8C) standard solution — CL40.13581

EPA METHOD 614 — Solution contains 200 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Demeton S
Diazinon
Disulfoton
Ethion
Guthion®
Malathion
Methyl parathion
Parathion®

Art. Nr.	Pack	Pack Type
CL40.13581.0001	1 ml	AMP

EPA Method 615
Determination of Chlorinated Herbicides in Wastewaters (GC/ECD)

PAH-Mixture (16C) standard solution — NEW — CL40.13107

EPA METHOD 615 — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

Acenaphtene
Acenaphtylene
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(ghi)perylene
Benzo(a)pyrene
Chrysene
Dibenzo(ah)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

Art. Nr.	Pack	Pack Type
CL40.13107.0001	1 ml	AMP

EPA Method 615
Determination of Chlorinated Herbicides in Wastewaters (GC/ECD)

Chlorinated herbicides - control sample mixture (10C) standard solution — CL40.13585

EPA METHOD 615, 8150B — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-o-tolyloxyaceticacid10,000 µg/ml
2.4-D 100 µg/ml
Dalapon 250 µg/ml
2.4-DB 100 µg/ml
Dicamba 10 µg/ml
Dichlorprop 100 µg/ml
Dinoseb 50 µg/ml
Mecoprop 10,000 µg/ml
Silvex 10 µg/ml
2.4.5-T® 10 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13585.0001	1 ml	AMP

Methylated chlorinated herbicides - control sample mixture (10C) standard solution — CL40.13586

EPA METHOD 615, 8150B — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-o-tolyloxyacetic acid methyl ester 10000 µg/ml	(2.4.5-Trichlorophenoxy)acetic acid methyl ester 10 µg/ml
2.4-D methyl ester 100 µg/ml	
Dalapon methyl ester 250 µg/ml	
2,4-DB methyl ester 100 µg/ml	
Dicamba methyl ester 10 µg/ml	
Dichlorprop methyl ester 100 µg/ml	
Dinoseb methyl ether 50 µg/ml	
Mecoprop methyl ester 10000 µg/ml	
Silvex methyl ester 10 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13586.0001	1 ml	AMP

EPA Method 618
The Determination of Volatile Pesticides in Municipal and Industrial Wastewater

Volatile pesticides mixture (2C) standard solution — CL40.13587

EPA METHOD 618 — Solution contains 20000 µg/ml in Cyclohexane

Density 0.78 g/ml
HS Nr 38220000
UN 1145
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

Chloropicrin
1.2-Dibromoethane

Art. Nr.	Pack	Pack Type
CL40.13587.0001	1 ml	AMP

EPA Method 619
Determination of Triazine Pesticides/Herbicides in Wastewaters (GC)

Triazine pesticides mixture (10C) standard solution — CL40.13588

EPA METHOD 619 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Ametryne
- Atraton
- Atrazine
- Prometon
- Prometryne
- Propazine
- Simetryn
- Simazine
- Terbuthylazine
- Terbutryne

Art. Nr.	Pack	Pack Type
CL40.13588.0001	1 ml	AMP

EPA Method 622
Determination of Organophosphorous Pesticides in Wastewaters (GC)

Organophosphorus pesticides mixture #1 (10C) standard solution — CL40.13589

EPA METHOD 622 — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- Coumaphos
- Demeton S
- Disulfoton
- Fensulfothion
- Fenthion
- Guthion®
- Phorate
- Sulprofos
- Tokuthion®
- Trichloronate

Art. Nr.	Pack	Pack Type
CL40.13589.0001	1 ml	AMP

Organophosphorus pesticides mixture #3 (7C) standard solution — CL40.13591

EPA METHOD 622 — Solution contains 1000 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- Chlorpyrifos
- Chlorpyrifos Methyl
- Diazinon
- Fenchlorphos
- Methyl parathion
- Tributylphosphorotrithioite
- Prophos

Art. Nr.	Pack	Pack Type
CL40.13591.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

EPA Method 622
Determination of Organophosphorous Pesticides in Wastewaters (GC)

Organophosphorus pesticides mixture #2 (3C) standard solution — CL40.13590

EPA METHOD 622 Solution contains 1000 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- Dichlorvos
- Phosdrin®
- Tetrachlorvinphos

Art. Nr.	Pack	Pack Type
CL40.13590.0001	1 ml	AMP

Organophosphorus pesticides mixture #4 (3C) standard solution — CL40.13592

EPA METHOD 622 Solution contains 1000 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- Dibrom
- Dichlorvos
- Tetrachlorvinphos

Art. Nr.	Pack	Pack Type
CL40.13592.0001	1 ml	AMP

EPA Method 624
Determination of Purgeables, Volatiles (P&T GC/MS)

Purgeable hydrocarbons and aromatics mixture (25C) standard solution — CL40.13563

EPA METHOD 601/602, 624/1624 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroform
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Methylene chloride
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13563.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Purgeables - internal standards (3C) standard solution

CL40.13564

EPA METHOD 601/602, 624/1624, 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- 2-Bromo-1-chloropropane
- 1,4-Dichlorobutane

Art. Nr.	Pack	Pack Type
CL40.13564.0001	1 ml	AMP

Purgeables mixture A (14C) standard solution

CL40.13593

EPA METHOD 624/1624 — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Carbon tetrachloride
- Chlorobenzene
- 2-Chloroethyl vinyl ether
- Chloroform
- Dibromochloromethane
- 1,2-Dichlorobenzene
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,2-Dichloropropane
- Methylene chloride
- Tetrachloroethene
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane

Art. Nr.	Pack	Pack Type
CL40.13593.0001	1 ml	AMP

Purgeables mixture B (13C) standard solution

CL40.13594

EPA METHOD 624/1624 — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromodichloromethane
- Bromoform
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethyl benzene
- 1,1,2,2-Tetrachloroethane
- Toluene
- 1,1,1-Trichloroethane

Art. Nr.	Pack	Pack Type
CL40.13594.0001	1 ml	AMP

Purgeables mixture C (4C) standard solution

CL40.13595

EPA METHOD 624/1624, CLP — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Methyl bromide
- Chloroethane
- Methyl chloride
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13595.0001	1 ml	AMP

Base neutrals extractables mixture (44C) standard solution — CL40.13596

EPA METHOD 625/1625, 8270C, CLP — Solution contains 100 µg/ml in Benzene/Dichloromethane/Acetonitrile (4/4/2)

Density 0.88 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H332-H312-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Acenaphthene
Acenaphthylene
Anthracene
Azobenzene
1.2-Benzanthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
1.12-Benzoperylene
Benzo(a)pyrene
Bis(2-chloroethyl)ether
Bis(2-chloroethoxy)methane
Bis(2-ethylhexyl)phthalate
Bis(2-chloroisopropyl)ether
4-Bromophenyl phenyl ether
Butyl benzyl phthalate
2-Chloronaphthalene
4-Chlorophenyl phenyl ether
Chrysene
1.2:5.6-Dibenzanthracene
Di-n-butyl phthalate
1.2-Dichlorobenzene
1.3-Dichlorobenzene
1.4-Dichlorobenzene
Diethyl phthalate
Dimethyl phthalate
2.4-Dinitrotoluene
2.6-Dinitrotoluene
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachloro-1.3-butadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1.2.3-C.D)pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene
1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13596.0001	1 ml	AMP

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Aldrin®
Arochlor 1242
Arochlor 1254
Arochlor 1221
Arochlor 1232
Arochlor 1248
Arochlor 1260
Arochlor 1016
a-BHC
b-BHC
d-BHC
Chlordane
4,4'-DDD
4,4'-DDE
4,4'-DDT
Dieldrin
a-Endosulfan
b-Endosulfan
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
Lindane (g-BHC)
Methoxychlor
Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Phenol Mix (17C) standard solution

NEW CL40.39183

High quality standard for GC EPA METHOD 604, 625/1625, 8270C Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- m-Cresol (3-methylphenol)
- o-Cresol (2-methylphenol)
- p-Cresol (4-methylphenol)
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- 2-Methyl-4,6-dinitrophenol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.39183.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution

CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Phenols (11C) standard solution

CL40.13566

EPA METHOD 604, 625/1625, 8270C Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methyl phenol
- 2-Chlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-o-cresol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13566.0001	1 ml	AMP

Phenols (11C) standard solution

CL40.13746

EPA METHOD 604, 625/1625, 8270C Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methyl phenol
- 2-Chlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-o-cresol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13746.0001	1 ml	AMP

EPA Method 625
Determination of Base/Neutrals & Acids, Semivolatiles, Pesticides, Aroclors (GC/MS)

Pesticide mixture #1 (7C) standard solution — CL40.13597

EPA METHOD 625 Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- BHC (alpha isomer)
- 4.4'-DDD
- Dieldrin
- Endrin
- Heptachlor
- Heptachlor epoxide
- Lindane (BHC gamma isomer)

Art. Nr.	Pack	Pack Type
CL40.13597.0001	1 ml	AMP

Phtalate esters (6C) standard solution — CL40.13568

EPA METHOD 606, 625/1625, 8060 Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13568.0001	1 ml	AMP

Phtalate esters (6C) standard solution — CL40.13570

EPA METHOD 606, 625/1625, 8060 Solution contains 2000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13570.0001	1 ml	AMP

Pesticide mixture #2 (6C) standard solution — CL40.13598

EPA METHOD 625 Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Aldrin®
- BHC (beta isomer)
- 4.4'-DDE
- 4.4'-DDT
- a-Endosulfan
- b-Endosulfan

Art. Nr.	Pack	Pack Type
CL40.13598.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Tuning standards mixture (4C) standard solution — CL40.13600

EPA METHOD 625, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

Benzidine
4.4'-DDT
Decafluorotriphenylphosphine
Pentachlorophenol

WARNING.

Art. Nr.	Pack	Pack Type
CL40.13600.0001	1 ml	AMP

Acids internal standards mixture (3C) standard solution — CL40.13599

EPA METHOD 625/1625 — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

2-Fluorophenol
Pentafluorophenol
Phenol-d6

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13599.0001	1 ml	AMP

Benzidines mixture (2C) standard solution — CL40.13567

EPA METHOD 605, 625/1625, 8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

Benzidine
3,3-Dichlorobenzidine

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13567.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

4,4'-DDT
Endrin

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 632
Determination of Carbamate & Urea Pesticides in Wastewater (HPLC)

Carbamate & urea pesticides mixture #2 (19C) standard solution — CL40.13603

EPA METHOD 632 Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Aminocarb	Monuron
Barban	Neburon
Baygon®	Oxamyl
Carbaryl	Propham
Carbofuran	Siduron
Chlorpropham	Swep
Diuron	Zectran (Mexacarbate)
Fenuron	
Fluometuron	
Linuron	
Methiocarb	
Methomyl	

Art. Nr.	Pack	Pack Type
CL40.13603.0001	1 ml	AMP

Carbamate & ureapesticides mixture (18C) standard solution — CL40.13602

EPA METHOD 632 Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Aminocarb	Methomyl
Barban	Monuron
Baygon®	Neburon
Carbaryl	Oxamyl
Carbofuran	Propham
Chlorpropham	Siduron
Diuron	Swep
Fenuron	
Fluometuron	
Linuron	
Methiocarb	

Art. Nr.	Pack	Pack Type
CL40.13602.0001	1 ml	AMP

EPA Method 633.1
Determination of Neutral Nitrogen-Containing Pesticides (GC/MS)

Neutral nitrogen containing pesticides mixture (4C) standard solution — CL40.13604

EPA METHOD 633.1 Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Fenarimol
MGK 264®
MGK 326®
Propyzamide

Art. Nr.	Pack	Pack Type
CL40.13604.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 634
Determination of Thiocarbamate Pesticides in Wastewaters (GC)

Thiocarbamate pesticides mixture (6C) standard solution

CL40.13605

EPA METHOD 634 Solution contains 1000 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

Butylate
Cycloate
S-Ethyl dipropylthiocarbamate
Molinate
S-Propyl butylethylthiocarbamate
Vernolate

Art. Nr.	Pack	Pack Type
CL40.13605.0001	1 ml	AMP

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017

Expires: Jun-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F006-Organic-3/02/17

2.3.3-4

2 Organic Standards

2.3 Organic Multi Component Standards

EPA 1600 Series Organic pollutants in industrial and municipal waste discharges. Under the Clean Water Act (CWA)

Method	Method Description
1618	Determination of Organo-halide Pesticides, Organo-phosphorus Pesticides, and Phenoxy-acid Herbicides by Wide Bore Capillary Column (GC with Selective Detectors)
1625	Determination of Semivolatile Organic Compounds by Isotope Dilution (GC/MS)
1660	Determination of Pyrethrins and Pyrethroids in Municipa land Industrial Wastewater
1664	n-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material (SGT – HEM; Non-polar Material) by Extraction and Gravimetry
1665	Determination of Semi-Volatile Organic Compounds Specific to the Pharmaceutical Manufacturing Industry by Isotope Dilution (GC/MS)
1666	Determination of Volatile Organic Compounds Specific to the Pharmaceutical Manufacturing Industry by Isotope Dilution (GC/MS)

TCLP semivolatiles spiking mixture (13C) standard solution — CL40.13720

EPA Method 1311 - TCLP — Solution contains 2000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

m-Cresol	Pentachlorophenol
1.4-Dichlorobenzene	Pyridine
2.4-Dinitrotoluene	2.4.5-Trichlorophenol
Hexachlorobenzene	2.4.6-Trichlorophenol
Hexachloro-1.3-butadiene	
Hexachloroethane	
2-Methylphenol	
4-Methylphenol	
Nitrobenzene	

Art. Nr.	Pack	Pack Type
CL40.13720.0001	1 ml	AMP

Volatiles mixture (11C) standard solution — CL40.13721

EPA Method 1311 - TCLP — Solution contains 1000 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

Benzene	Vinyl chloride
2-Butanone	
Carbon tetrachloride	
Chlorobenzene	
Chloroform	
1,4-Dichlorobenzene	
1,2-Dichlorethane	
1,1-Dichloroethene	
Tetrachloroethene	
Trichloroethene	

Art. Nr.	Pack	Pack Type
CL40.13721.0001	1 ml	AMP

Base neutrals mixture (7C) standard solution — CL40.13723

EPA Method 1311 - TCLP — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachloro-1.3-butadiene
Hexachloroethane
Nitrobenzene
Pyridine

Art. Nr.	Pack	Pack Type
CL40.13723.0001	1 ml	AMP

Acids mixture (6C) standard solution — CL40.13722

EPA Method 1311 - TCLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

m-Cresol
2-Methylphenol
4-Methylphenol
Pentachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13722.0001	1 ml	AMP

EPA Method 1311
Protocol for Toxicity Characteristic Leaching Procedure (TCLP)

TCLP acids/base neutrals high range (5C) standard solution — CL40.13725

EPA Method 1311 - TCLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

m-Cresol 2.000 µg/ml
2-Methylphenol 2.000 µg/ml
4-Methylphenol 2.000 µg/ml
Pentachlorophenol 1.000 µg/ml
2.4.5-Trichlorophenol 4.000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13725.0001	1 ml	AMP

TCLP pesticides spiking mixtures (5C) standard solution — CL40.13724

EPA Method 1311 - TCLP — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Endrin
Heptachlor
Heptachlor epoxide
Lindane (BHC gamma isomer)
Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13724.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 1618
Organo-Halide, -Phosphorus Pesticides, and Phenoxy-acid Herbicides by Wide Bore Capillary

Organophosphorus pesticides mixture #1 (19C) standard solution — CL40.13607

EPA METHOD 1618 — Solution contains stated concentration in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Coumaphos 50 µg/ml
- Diazinon 100 µg/ml
- Dichlorvos 50 µg/ml
- Dimethoate 100 µg/ml
- Dylox® 100 µg/ml
- EPN 100 µg/ml
- Fenchlorphos 100 µg/ml
- Fensulfothion 200 µg/ml
- Guthion® 100 µg/ml
- Guthion Ethyl 100 µg/ml
- Malathion 100 µg/ml
- Methyl parathion 100 µg/ml
- Parathion® 100 µg/ml
- Phorate 100 µg/ml
- Prophos 100 µg/ml
- Sulprofos 50 µg/ml
- Terbufos 100 µg/ml
- Tetrachlorvinphos 100 µg/ml
- S.S.S-Tributylphosphorotrithioate 200 ug /mL

Art. Nr.	Pack	Pack Type
CL40.13607.0001	1 ml	AMP

Organophosphorus pesticides mixture #2 (18C) standard solution — CL40.13609

EPA METHOD 1618 — Solution contains stated concentration in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Chlorfenvinphos 50 µg/ml
- Chlorpyrifos 50 µg/ml
- Chlorpyrifos Methyl 100 µg/ml
- Crotoxyphos 200 µg/ml
- Demeton 200 µg/ml
- Dibrom 100 µg/ml
- Dichlofenthion 100 µg/ml
- Dioxathion 600 µg/ml
- Disulfoton 100 µg/ml
- Ethion 100 µg/ml
- Famphur 200 µg/ml
- Fenthion 100 µg/ml
- Phosdrin® 100 µg/ml
- Imidan® 200 µg/ml
- Leptophos 100 µg/ml
- Tetraethyldithiopyrophosphate 50 µg/ml
- Tokuthion® 100 µg/ml
- Trichloronate 100 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13609.0001	1 ml	AMP

Organohalide pesticides mixture #2 (16C) standard solution — CL40.13608

EPA METHOD 1618 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- BHC (alpha isomer) 100 µg/ml
- BHC (beta isomer) 100 µg/ml
- BHC (delta isomer) 100 µg/ml
- Captafol 200 µg/ml
- Carbophenothion 1000 µg/ml
- cis-Chlordane 100 µg/ml
- trans-Chlordane 100 µg/ml
- 4.4'-DDD 100 µg/ml
- Dichlone 100 µg/ml
- Dieldrin 100 µg/ml
- Endosulfan sulfate 100 µg/ml
- Endrin 100 µg/ml
- Endrin ketone 100 µg/ml
- Mirex 100 µg/ml
- Pentachloronitrobenzene 100 µg/ml
- Trifluralin 200 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13608.0001	1 ml	AMP

Organohalide pesticides mixture #1 (15C) standard solution — CL40.13606

EPA METHOD 1618 — Solution contains stated concentration in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Aldrin® 100 µg/ml
- Captan 200 µg/ml
- Chlorobenzilate 500 µg/ml
- Di-allate 250 µg/ml
- 4.4'-DDT 200 µg/ml
- 4.4'-DDE 200 µg/ml
- a-Endosulfan 200 µg/ml
- b-Endosulfan 200 µg/ml
- Endrin aldehyde 200 µg/ml
- Heptachlor 100 µg/ml
- Heptachlor epoxide 100 µg/ml
- Isodrin 100 µg/ml
- Lindane (BHC gamma isomer) 100 µg/ml
- Methoxychlor 200 µg/ml
- Nitrofen 200 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13606.0001	1 ml	AMP

EPA Method 1618
Organo-Halide, -Phosphorus Pesticides, and Phenoxy-acid Herbicides by Wide Bore Capillary

Methylated chlorinated herbicides mixture (10C) standard solution — CL40.13613

EPA METHOD 1618, 8150B — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2,4-D, methyl ester
- 2,4-DB, methyl ester
- Dalapon, methyl ester
- Dicamba, methyl ester
- Dichlorprop, methyl ester
- Dinoseb, methyl ether
- 4-Chloro-o-tolyloxy acetic acid methyl ester
- Mecoprop methyl ester
- Silvex, methyl ester
- 2,4,5-(Trichlorophenoxy) acetic acid methyl ester

Art. Nr.	Pack	Pack Type
CL40.13613.0001	1 ml	AMP

Methylated chlorinated herbicides (10C) standard solution — CL40.13660

EPA METHOD 8150B, 1618 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2,4-D, methyl ester
- 2,4-DB, methyl ester
- Dalapon, methyl ester
- Dicamba, methyl ester
- Dichlorprop, methyl ester
- Dinoseb, methyl ether
- 4-Chloro-o-tolyloxy acetic acid methyl ester
- Mecoprop methyl ester
- Silvex, methyl ester

(2,4,5-Trichlorophenoxy) acetic acid methyl ester

Art. Nr.	Pack	Pack Type
CL40.13660.0001	1 ml	AMP

Chlorinated herbicides (10C) standard solution — CL40.13659

EPA METHOD 8150B, 1618, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2,4-D
- 2,4-DB
- Dalapon
- Dicamba
- Dichlorprop
- Dinoseb
- 4-Chloro-o-tolyloxyacetic acid
- Mecoprop
- Silvex

2,4,5-T®

Art. Nr.	Pack	Pack Type
CL40.13659.0001	1 ml	AMP

Chlorinated herbicides mixture (10C) standard solution — CL40.13612

EPA METHOD 1618, 8150B, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2,4-D
- 2,4-DB
- Dalapon
- Dicamba
- Dichlorprop
- Dinoseb
- 4-Chloro-o-tolyloxyacetic acid
- Mecoprop
- Silvex

2,4,5-T®

Art. Nr.	Pack	Pack Type
CL40.13612.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Organohalide pesticides mixture #3 - (non-ITD) (8C) standard solution — CL40.13610

EPA METHOD 1618 Solution contains 100 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Chloroneb
- Chloropropylate
- 1.2-Dibromo-3-chloropropane
- Kelthane®
- Terrazole®
- Perthane®
- Propachlor
- Strobane®

Art. Nr.	Pack	Pack Type
CL40.13610.0001	1 ml	AMP

GPC calibration mixture (5C) standard solution — CL40.13611

EPA METHOD 1618, 1656, 1657 Solution contains stated concentration in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-ethylhexyl)phthalate 15.000 ug /mL
- Corn oil 300.000 ug/mL
- Pentachlorophenol 1.400 ug/mL
- Perylene 100 ug/mL
- Sulfur 500 ug/mL

Art. Nr.	Pack	Pack Type
CL40.13611.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

- 4,4'-DDT
- Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

Base neutrals extractables mixture (44C) standard solution — CL40.13596

EPA METHOD 625/1625, 8270C, CLP — Solution contains 100 µg/ml in Benzene/Dichloromethane/Acetonitrile (4/4/2)

Density 0.88 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H332-H312-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

- Acenaphthene
- Acenaphthylene
- Anthracene
- Azobenzene
- 1.2-Benzanthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1.12-Benzoperylene
- Benzo(a)pyrene
- Bis(2-chloroethyl)ether
- Bis(2-chloroethoxy)methane
- Bis(2-ethylhexyl)phthalate
- Bis(2-chloroisopropyl)ether
- 4-Bromophenyl phenyl ether
- Butyl benzyl phthalate
- 2-Chloronaphthalene
- 4-Chlorophenyl phenyl ether
- Chrysene
- 1.2:5.6-Dibenzanthracene
- Di-n-butyl phthalate
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- Diethyl phthalate
- Dimethyl phthalate
- 2.4-Dinitrotoluene
- 2.6-Dinitrotoluene
- Di-n-octyl phthalate
- Fluoranthene
- Fluorene
- Hexachlorobenzene
- Hexachloro-1.3-butadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1.2.3-C.D)pyrene
- Isophorone
- Naphthalene
- Nitrobenzene
- N-Nitrosodimethylamine
- N-Nitrosodi-n-propylamine
- N-Nitrosodiphenylamine
- Phenanthrene
- Pyrene
- 1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13596.0001	1 ml	AMP

Phenol Mix (17C) standard solution — NEW — CL40.39183

High quality standard for GC EPA METHOD 604, 625/1625, 8270C — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- m-Cresol (3-methylphenol)
- o-Cresol (2-methylphenol)
- p-Cresol (4-methylphenol)
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- 2-Methyl-4,6-dinitrophenol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.39183.0001	1 ml	AMP

Hydrocarbons (14C) standard solution — CL40.13601

EPA METHOD 1625 — Solution contains 4000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- n-Decane (C10)
- n-Dodecane (C12)
- n-Tetradecane (C14)
- n-Hexadecane (C16)
- n-Hexacosane (C26)
- n-Octacosane (C28)
- n-Triacontane (C30)
- n-Octadecane (C18)
- n-Eicosane (C20)
- n-Docosane (C22)
- n-Tetracosane (C24)
- n-Hexacosane (C26)
- n-Octacosane (C28)
- n-Triacontane (C30)

Art. Nr.	Pack	Pack Type
CL40.13601.0001	1 ml	AMP

Phenols (11C) standard solution — CL40.13566

EPA METHOD 604, 625/1625, 8270C — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methyl phenol	2,4,6-Trichlorophenol
2-Chlorophenol	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
4,6-Dinitro-o-cresol	
2,4-Dinitrophenol	
2-Nitrophenol	
4-Nitrophenol	
Pentachlorophenol	
Phenol	

Art. Nr.	Pack	Pack Type
CL40.13566.0001	1 ml	AMP

Phenols (11C) standard solution — CL40.13746

EPA METHOD 604, 625/1625, 8270C — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methyl phenol	2,4,6-Trichlorophenol
2-Chlorophenol	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
4,6-Dinitro-o-cresol	
2,4-Dinitrophenol	
2-Nitrophenol	
4-Nitrophenol	
Pentachlorophenol	
Phenol	

Art. Nr.	Pack	Pack Type
CL40.13746.0001	1 ml	AMP

Phtalate esters (6C) standard solution — CL40.13568

EPA METHOD 606, 625/1625, 8060 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Di-n-butyl phthalate
Diethyl phthalate
Dimethyl phthalate
Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13568.0001	1 ml	AMP

Phtalate esters (6C) standard solution — CL40.13570

EPA METHOD 606, 625/1625, 8060 — Solution contains 2000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Di-n-butyl phthalate
Diethyl phthalate
Dimethyl phthalate
Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13570.0001	1 ml	AMP

Acids internal standards mixture (3C) standard solution — CL40.13599

EPA METHOD 625/1625 — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2-Fluorophenol
- Pentafluorophenol
- Phenol-d6

Art. Nr.	Pack	Pack Type
CL40.13599.0001	1 ml	AMP

Benzidines mixture (2C) standard solution — CL40.13567

EPA METHOD 605, 625/1625, 8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzidine
- 3,3-Dichlorobenzidine

Art. Nr.	Pack	Pack Type
CL40.13567.0001	1 ml	AMP

REGISTERED ISO 9001 ANT97141.1 by LRQA

ACCREDITED ISO 17025 531-CAL by BELAC

ACCREDITED ISO GUIDE 34 531-RM by BELAC

Pyrethrins & pyrethroids mixture #1 (4C) standard solution

CL40.13614

EPA METHOD 1660 Solution contains stated concentration in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

- Baythroid® 400 µg/ml
- d-(cis-trans)-Phenothrin 400 µg/ml
- Sanmarton 200 µg/ml
- Tetramethrin 400 µg/ml

HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13614.0001	1 ml	AMP

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Page 1 of 2

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017
Expires: Jun-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Page 2 of 2

F006-Organic-3/02/17

Oil & grease spiking mixture (2C) standard solution

CL40.13615

EPA METHOD 1664, TPH

Solution contains 4000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

n-Hexadecane
Stearic acid

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13615.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Secondary stock standard mixture (6C) standard solution — CL40.13616

EPA METHOD 1665 — Solution contains 400 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313
WARNING.

- Aniline
- N,N-Dimethylacetamide
- N,N-Dimethylaniline
- N,N-Dimethylformamide
- 2-Picoline
- Pyridine

Art. Nr.	Pack	Pack Type
CL40.13616.0001	1 ml	AMP

Labeled compounds spiking mixture (5C) standard solution — CL40.13617

EPA METHOD 1665 — Solution contains 200 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313
WARNING.

- Aniline-d7
- N,N-Dimethylaniline-d
- N,N-Dimethylformamide-d7
- 2-Methylpyridine-d5
- Pyridine-d5

Art. Nr.	Pack	Pack Type
CL40.13617.0001	1 ml	AMP

EPA Method 1666
VOC's Specific to the Pharmaceutical Industry by Isotope Dilution GC/MS

Secondary stock standard mixture #2 (10C) standard solution — CL40.13619

EPA METHOD 1666 Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

n-Butyl alcohol 2.500 µg/ml
n-Butyl acetate 1.000 µg/ml
Cyclohexane 1.000 µg/ml
Ethyl acetate 1.000 µg/ml
n-Heptane 1.000 µg/ml
n-Hexane 1.000 µg/ml
Isopropyl alcohol 2.500 µg/ml
Isopropyl ether 1.000 µg/ml
o-Xylene 1.000 µg/ml
p-Xylene 500 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13619.0001	1 ml	AMP

Secondary stock standard mixture #1 (10C) standard solution — CL40.13618

EPA METHOD 1666 Solution contains stated concentration in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

n-Amyl acetate 1000 µg/ml
n-Amyl alcohol 2500 µg/ml
tert-Butyl alcohol 2500 µg/ml
Iso-propyl acetate 1000µg/ml
Methyl formate 2500 µg/ml
4-Methyl-2-pentanone 1000 µg/ml
n-Pentane 1000 µg/ml
Tetrahydrofuran 1000 µg/ml
Trichlorofluoromethane 1000 µg/ml
m-Xylene 500 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13618.0001	1 ml	AMP

Labeled compounds spiking mixture (8C) standard solution — CL40.13620

EPA METHOD 1666 Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

tert-Butyl alcohol-d10 250 µg/ml
Cyclohexane-d12 25 µg/ml
Ethyl acetate-13C2 25 µg/ml
n-Heptane-d16 25 µg/ml
n-Hexane-d14 25 µg/ml
Tetrahydrofuran-d8 25 µg/ml
o-Xylene-d10 25 µg/ml
p-Xylene-d10 25 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13620.0001	1 ml	AMP

Purgeables internal standards mixtures (3C) standard solution — CL40.13621

EPA METHOD 1666, 8240B, CLP Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromochloromethane
Chlorobenzene-d5
1,4-Difluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13621.0001	1 ml	AMP

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Secretariat:
Service public fédéral, Economie,
P.M.E., Classes moyennes et Energie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348

Accréditation BELAC Accreditatie
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be

Secretariaat:
Federale Overheidsdienst, Economie,
K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348

.be

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Secretariat:
Service public fédéral, Economie,
P.M.E., Classes moyennes et Energie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II, 16 - 5ème étage - B-1000 Bruxelles
Website: http://economie.fgov.be
Numéro d'entreprise: 0314.595.348

Accréditation BELAC Accreditatie
Tel: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: http://belac.fgov.be
E-Mail: Belac@economie.fgov.be

Secretariaat:
Federale Overheidsdienst, Economie,
K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16 - 5de verd. - B-1000 Brussel
Website: http://economie.fgov.be
Ondernemingsnummer: 0314.595.348

.be

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

2.3.5

2 Organic Standards

2.3 Organic Multi Component Standards

2.3.5 *EPA 8000 Methods for Monitoring Organic Pollutants*

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017

Expires: Jun-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

F006-Organic-3/02/17

EPA SW-846 / 8000 Series Methods For Monitoring Organic Pollutans In Ground water, Wastewater, And Solid Waste

Method	Method Description
8010B	Determination of Halogenated Volatile Organics (GC)
8011	Determination of 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane (GC/ECD)
8015	Determination of Nonhalogenated Volatile Organics (P&T GC/FID)
8020B	Determination of Aromatic Volatile Organics (GC/PID)
8021A	Determination of Halogenated and Aromatic Volatiles (GC/ECD/PID)
8030A	Determination of Acrolein and Acrylonitrile (GC/PID)
8031	Determination of Acrylonitrile (GC)
8032	Determination of Acrylamide (GC/ECD)
8033	Determination of Acetonitrile (GC/NDP)
8040A	Determination of Phenols (GC/FID)
8060	Determination of Phthalate Esters (Capillary Column GC/ECD)
8061	Determination of Phthalate Esters (Capillary Column GC/ECD)
8070	Determination of Nitrosamines (GC/MS)
8080	Determination of Organochlorine Pesticides & PCB's (GC/ECD)
8081	Determination of PCB's by Capillary Column (GC)
8082	Determination of Polychlorinated biphenyls (PCB's) (GC)
8090	Determination of Nitroaromatics and Cyclic Ketones (GC/ECD or GC/FID)
8091	Determination of Nitroaromatics and Cyclic Ketones (Capillary Column GC)
8095	Determination of Various Explosives in Water and Soil (Capillary Column GC)
8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH's) (GC/FID)
8110	Determination of Haloethers (GC)
8111	Determination of Haloethers (GC)
8120A	Determination of Chlorinated Hydrocarbons (GC)
8121	Determination of Chlorinated Hydrocarbons (GC)
8140	Determination of Organophosphorous Pesticides (GC)
8141A	Determination of Organophosphorous Compounds (GC)
8151	Determination of Chlorinated Herbicides by GC using Methylation or Pentafluorobenzylation Derivitization
8240B	Determination of Organics (GC/MS)
8250A	Determination of Semivolatile Organic Compounds (GC/MS)
8260B	Determination of Volatile Organic Compounds (GC/MS)
8265	Determination of Volatile Organic Compounds (GC/MS)
8270C	Determination of Semivolatile Organic Compounds (GC/MS)
8275	Determination of Semivolatile Organic Compounds (TC/MS)
8310	Determination of Polynuclear Aromatic Hydrocarbons, (HPLC/UV or Fluorescence Detectors)
8315	Determination of Carbonyl Compounds (HPLC)
8315A	Determination of Chlorinated Herbicides (GC)
8318	Determination of N-methylcarbamates (HPLC)

8321	Determination of Solvent Extractable Non-volatile Compounds (HPLC/TSP/MS)
8325	Determination of Solvent Extractable Nonvolatile Compounds (HPLC/PB/MS)
8330	Determination of Nitroaromatics and Nitramines (HPLC)
8430	Determination of Bis (2-Chloroethyl) ether (GC/FT-IR)
8440	Determination of Total Recoverable Petroleum Hydrocarbons
5041	Protocol for Analysis of Sorbent Cartridges from VOST
1311	Protocol for Toxicity Characteristic Leaching Procedure (TCLP)

Trihalomethanes (4C) standard solution — CL40.13104

EPA METHOD 501.3, 601/602, 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13104.0001	1 ml	AMP

Trihalomethanes (4C) standard solution — CL40.13501

EPA METHOD 501, 601/602, 8010B — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromodichloromethane
- Bromoform
- Chlorodibromomethane
- Chloroform

Art. Nr.	Pack	Pack Type
CL40.13501.0001	1 ml	AMP

Purgeables - internal standards (3C) standard solution — CL40.13564

EPA METHOD 601/602, 624/1624, 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- 2-Bromo-1-chloropropane
- 1,4-Dichlorobutane

Art. Nr.	Pack	Pack Type
CL40.13564.0001	1 ml	AMP

Halogenated volatile organics mixture (14C) standard solution — CL40.13628

EPA METHOD 8010B — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromoform
- Carbon tetrachloride
- Chloroform
- Dibromomethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- 1,2,3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13628.0001	1 ml	AMP

EPA Method 8010B
Determination of Halogenated Volatile Organics (GC)

VOC Mix (7C) standard solution

NEW CL40.39039

High quality standard for GC EPA METHOD 551, 8010 Solution contains stated concentrations in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromodichloromethane (50 µg/mL)
Dibromochloromethane (50 µg/mL)
Tetrachloroethene (20 µg/mL)
Tetrachloromethane (6 µg/mL)
Tribromomethane (50 µg/mL)
Trichloroethene (60 µg/mL)
Trichloromethane (50 µg/mL)

Art. Nr.	Pack	Pack Type
CL40.39039.0001	1 ml	AMP

EDB/DBCP (2C) standard solution

CL40.13521

EPA METHOD 504, 8010B, 8011 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)

Art. Nr.	Pack	Pack Type
CL40.13521.0001	1 ml	AMP

EPA Method 8011
Determination of 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane (GC/ECD)

EDB/DBCP (2C) standard solution

CL40.13521

EPA METHOD 504, 8010B, 8011 Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)

Art. Nr.	Pack	Pack Type
CL40.13521.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8015
Determination of Nonhalogenated Volatile Organics (P&T GC/FID)

Non-halogenated volatiles (11C) standard solution — CL40.13629

EPA METHOD 8015A, 8240B, 5035A Solution contains 100 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Acetonitrile
2-Butanone
Ethyl ether
1,4-Dioxane
Ethyl Alcohol
Ethyl methacrylate
Isobutyl alcohol
Methacrylonitrile
Methyl methacrylate
4-Methyl-2-pentanone
Propionitrile

Art. Nr.	Pack	Pack Type
CL40.13629.0001	1 ml	AMP

Internal standards mixture (3C) standard solution — CL40.13630

EPA METHOD 8015B, 5035A Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2-Chloroacrylonitrile
Hexafluoro-2-methyl-2-propanol
Hexafluoro-2-propanol

Art. Nr.	Pack	Pack Type
CL40.13630.0001	1 ml	AMP

EPA Method 8020
Determination of Aromatic Volatile Organics (GC/PID)

Aromatic volatile organics mixture (10C) standard solution — CL40.13631

EPA METHOD 8020B Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene
Chlorobenzene
1.2-Dichlorobenzene
1.3-Dichlorobenzene
1.4-Dichlorobenzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13631.0001	1 ml	AMP

BTEX mixtures (6C) standard solution — CL40.13510

EPA METHOD 502/524, 8020B, CLP Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13510.0001	1 ml	AMP

EPA Method 8020
Determination of Aromatic Volatile Organics (GC/PID)

BTEX mixtures (6C) standard solution

NEW CL40.13767

EPA METHOD 502/524, 8020B, CLP Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13767.0001	1 ml	AMP
CL40.13767.0005	5 ml	AMP

Surrogate standards mixture (5C) standard solution

CL40.13632

EPA METHOD 8020B Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 1-Bromo-4-chlorobenzene
- 4-Bromofluorobenzene
- 1,4-Difluorobenzene
- Fluorobenzene
- a,a,a-Trifluorotoluene

Art. Nr.	Pack	Pack Type
CL40.13632.0001	1 ml	AMP

EPA Method 8021
Determination of Halogenated and Aromatic Volatiles (GC/ECD/PID)

Volatile organic compounds (60C) standard solution

CL40.13502

EPA METHOD 502/524, 8021A, 8260A Solution contains 200 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13502.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Volatile organic compounds (60C) standard solution

CL40.13503

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butyl benzene
- sec-Butyl benzene
- tert-Butyl benzene
- Carbon tetrachloride
- Chlorobenzene
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- Dibromomethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- 1,2-Dichloropropane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropyl benzene
- p-Isopropyl toluene
- Methyl bromide
- Methyl chloride
- Methylene chloride
- Naphthalene
- n-Propyl benzene
- Styrene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Vinyl chloride
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13503.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution

CL40.13745

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13745.0001	1 ml	AMP

EPA Method 8021
Determination of Halogenated and Aromatic Volatiles (GC/ECD/PID)

Liquid volatile organic compounds mixture (54C) standard solution — CL40.13508

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13508.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution — CL40.13506

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13506.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Haloalkanes volatile organic compounds mixture (34C) standard solution

CL40.13507

EPA METHOD 502/524, 8021A, 8260A Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13507.0001	1 ml	AMP

Aromatic volatile organics mixture (25C) standard solution

CL40.13505

EPA METHOD 502/524, 8021A, 8260A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Chlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- Ethylbenzene
- Isopropylbenzene
- p-Isopropyltoluene
- Naphthalene
- n-Propylbenzene
- Styrene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene
- p-Xylene
- n-Butylbenzene

Art. Nr.	Pack	Pack Type
CL40.13505.0001	1 ml	AMP

EPA Method 8021
Determination of Halogenated and Aromatic Volatiles (GC/ECD/PID)

Aromatic volatile organics mixture (25C) standard solution

CL40.13504

EPA METHOD 502/524, 8021A, 8260A Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13504.0001	1 ml	AMP

Internal standards mixtures (2C) standard solution

CL40.13517

EPA METHOD 502/524, 502.2, 8021A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2-Bromo-1-chloropropane
Fluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13517.0001	1 ml	AMP

EPA Method 8040, 8041
Determination of Phenols (GC/FID)

Phenols (23C) standard solution

CL40.13633

EPA METHOD 8040A Solution contains 1000 µg/ml in iso-Propanol

Density 0.78 g/ml
HS Nr 38220000
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

4-Chloro-3-methylphenol	Pentachlorophenol
2-Chlorophenol	Phenol
m-Cresol	2,3,4,6-Tetrachlorophenol
2-Cyclohexyl-4,6-dinitrophenol	2,3,5,6-Tetrachlorophenol
2,4-Dichlorophenol	2,3,4-Trichlorophenol
2,6-Dichlorophenol	2,3,5-Trichlorophenol
2,4-Dimethylphenol	2,3,6-Trichlorophenol
4,6-Dinitro-o-cresol	2,4,5-Trichlorophenol
2,4-Dinitrophenol	2,4,6-Trichlorophenol
Dinoseb	
2-Methylphenol	
4-Methylphenol	
2-Nitrophenol	
4-Nitrophenol	

Art. Nr.	Pack	Pack Type
CL40.13633.0001	1 ml	AMP

Non-RCRA target analytes stock standard solution (17C) — CL40.13638

EPA METHOD 8041 — Solution contains 1000 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

2-Chloro-5-methylphenol	3.4-Dimethylphenol
4-Chloro-2-methylphenol	2,5-Dinitrophenol
3-Chlorophenol	3-Nitrophenol
4-Chlorophenol	2.3.4-Trichlorophenol
2,3-Dichlorophenol	2.3.5-Trichlorophenol
2.5-Dichlorophenol	2.3.6-Trichlorophenol
3,4-Dichlorophenol	
3.5-Dichlorophenol	
2.3-Dimethylphenol	
2,5-Dimethylphenol	
2.6-Dimethylphenol	

Art. Nr.	Pack	Pack Type
CL40.13638.0001	1 ml	AMP

Phenols - high concentration mixture #2 (9C) standard solution — CL40.13635

EPA METHOD 8040A — Solution contains 2000 µg/ml in iso-Propanol

Density 0.78 g/ml
HS Nr 38220000
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

2-Chlorophenol
2,6-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
Dinoseb
2-Methylphenol
4-Methylphenol
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13635.0001	1 ml	AMP

Phenols - high concentration mixture #1 (9C) standard solution — CL40.13634

EPA METHOD 8040A — Solution contains 2000 µg/ml in iso-Propanol

Density 0.78 g/ml
HS Nr 38220000
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

p-Chloro-m-methylphenol
m-Cresol
2,4-Dichlorophenol
4,6-Dinitro-o-cresol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13634.0001	1 ml	AMP

Discretionary phenols mixture (3C) standard solution — CL40.13636

EPA METHOD 8040A — Solution contains 1000 µg/ml in iso-Propanol

Density 0.78 g/ml
HS Nr 38220000
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

2.3.4-Trichlorophenol
2.3.5-Trichlorophenol
2.3.6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13636.0001	1 ml	AMP

EPA Method 8040, 8041
Determination of Phenols (GC/FID)

Internal spiking standard solution (2C) — CL40.13639

EPA METHOD 8041 — Solution contains 1000 µg/ml in iso-Propanol

Density 0.78 g/ml
HS Nr 38220000
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2.5-Dibromotoluene
- 2,2i,5,5i-Tetrabromobiphenyl

Art. Nr.	Pack	Pack Type
CL40.13639.0001	1 ml	AMP

Surrogate standards mixture (2C) standard solution — CL40.13637

EPA METHOD 8040A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Fluorophenol
- 2,4,6-Tribromophenol

Art. Nr.	Pack	Pack Type
CL40.13637.0001	1 ml	AMP

EPA Method 8060
Determination of Phthalate Esters (Capillary Column GC/ECD)

Phtalate esters (6C) standard solution — CL40.13570

EPA METHOD 606, 625/1625, 8060 — Solution contains 2000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13570.0001	1 ml	AMP

Phtalate esters - control sample mixture (6C) standard solution — CL40.13569

EPA METHOD 606, 8060 — Solution contains stated concentration in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Bis(2-ethylhexyl) phthalate 50 µg/ml
- Butyl benzyl phthalate 10 µg/ml
- Di-n-butyl phthalate 25 µg/ml
- Diethyl phthalate 25 µg/ml
- Dimethyl phthalate 25 µg/ml
- Di-n-octyl phthalate 50 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13569.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8060
Determination of Phthalate Esters (Capillary Column GC/ECD)

Phtalate esters (6C) standard solution

CL40.13568

EPA METHOD 606, 625/1625, 8060 Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13568.0001	1 ml	AMP

EPA Method 8061A
Determination of Phthalate Esters (Capillary Column GC/ECD)

Phtalate esters (16C) standard solution

CL40.13640

EPA METHOD 8061 Solution contains 1000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-n-butoxyethyl)phthalate
- Bis(2-ethoxyethyl)phthalate
- Bis(2-ethylhexyl)phthalate
- Bis(2-methoxyethyl)phthalate
- Bis(4-methyl-2-pentyl)phthalate
- Butyl benzyl phthalate
- Diamyl phthalate
- Di-n-butyl phthalate
- Dicyclohexyl phthalate
- Diethyl phthalate
- Di-n-hexyl phthalate
- Diisobutyl phthalate
- Dimethyl phthalate
- Dinonyl phthalate
- Di-n-octyl phthalate
- Hexyl 2-ethylhexyl phthalate

Art. Nr.	Pack	Pack Type
CL40.13640.0001	1 ml	AMP

EPA Method 8070A
Determination of Nitrosamines (GC/MS)

Nitrosoamines (3C) standard solution

CL40.13580

EPA METHOD 607, 8070 Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-n-propylamine

Art. Nr.	Pack	Pack Type
CL40.13580.0001	1 ml	AMP

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- Arochlor 1242
- Arochlor 1254
- Arochlor 1221
- Arochlor 1232
- Arochlor 1248
- Arochlor 1260
- Arochlor 1016
- a-BHC
- b-BHC
- d-BHC
- Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Lindane (g-BHC)
- Methoxychlor
- Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution — CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Pesticides - control sample mixture (13C) standard solution — CL40.13747

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000

UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- Aldrin® 1000 µg/ml
- BHC (alpha isomer) 1000 µg/ml
- BHC (beta isomer) 1000 µg/ml
- 4.4'-DDD 5000 µg/ml
- 4.4'-DDE 1000 µg/ml
- 4.4'-DDT 5000 µg/ml
- Dieldrin 1000 µg/ml
- a-Endosulfan 1000 µg/ml
- b-Endosulfan 5000 µg/ml
- Endosulfan sulfate 5000 µg/ml
- Endrin 5000 µg/ml
- Heptachlor 1000 µg/ml
- Heptachlor epoxide 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13747.0001	1 ml	AMP

Pesticides - control sample mixture (13C) standard solution — CL40.13574

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Aldrin® 20 µg/ml	Endrin 100 µg/ml
BHC (alpha isomer) 20 µg/ml	Heptachlor 20 µg/ml
BHC (beta isomer) 20 µg/ml	Heptachlor epoxide 20 µg/ml
4.4'-DDD 100 µg/ml	
4.4'-DDE 20 µg/ml	
4.4'-DDT 100 µg/ml	
Dieldrin 20 µg/ml	
a-Endosulfan 20 µg/ml	
b-Endosulfan 100 µg/ml	
Endosulfan sulfate 100 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13574.0001	1 ml	AMP

Florisil® cartridge check mixture (11C) standard solution — CL40.13643

EPA METHOD 8080/8081A, 8270C — Solution contains stated concentration in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

BHC (alpha isomer) 5 µg/ml
4.4'-DDD 10 µg/ml
4.4'-DDT 10 µg/ml
Decachlorobiphenyl 20 µg/ml
Dieldrin 10 µg/ml
Endrin 10 µg/ml
a-Endosulfan 5 µg/ml
Heptachlor 5 µg/ml
Lindane (BHC gamma isomer) 5 µg/ml
Methoxychlor 50 µg/ml
2,4,5,6-Tetrachloro-m-xylene 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13643.0001	1 ml	AMP

Surrogate standards mixture #1 (2C) standard solution — CL40.13641

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Decachlorobiphenyl
2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13641.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

4,4'-DDT
Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 8080A
Determination of Organochlorine Pesticides & PCB's (GC/ECD)

Surrogate standards mixture #2 (2C) standard solution — CL40.13642

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Dibutyl chlorendate
- 2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13642.0001	1 ml	AMP

EPA Method 8081A
Determination of PCB's by Capillary Column (GC)

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- Arochlor 1242
- Arochlor 1254
- Arochlor 1221
- Arochlor 1232
- Arochlor 1248
- Arochlor 1260
- Arochlor 1016
- a-BHC
- b-BHC
- d-BHC
- Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Lindane (g-BHC)
- Methoxychlor
- Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution — CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8081A
Determination of PCB's by Capillary Column (GC)

Pesticides - control sample mixture (13C) standard solution — CL40.13747

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Aldrin® 1000 µg/ml	Endrin 5000 µg/ml
BHC (alpha isomer) 1000 µg/ml	Heptachlor 1000 µg/ml
BHC (beta isomer) 1000 µg/ml	Heptachlor epoxide 1000 µg/ml
4.4'-DDD 5000 µg/ml	
4.4'-DDE 1000 µg/ml	
4.4'-DDT 5000 µg/ml	
Dieldrin 1000 µg/ml	
a-Endosulfan 1000 µg/ml	
b-Endosulfan 5000 µg/ml	
Endosulfan sulfate 5000 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13747.0001	1 ml	AMP

Pesticides - control sample mixture (13C) standard solution — CL40.13574

EPA METHOD 608, 8080A/8081 — Solution contains stated concentration in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Aldrin® 20 µg/ml	Endrin 100 µg/ml
BHC (alpha isomer) 20 µg/ml	Heptachlor 20 µg/ml
BHC (beta isomer) 20 µg/ml	Heptachlor epoxide 20 µg/ml
4.4'-DDD 100 µg/ml	
4.4'-DDE 20 µg/ml	
4.4'-DDT 100 µg/ml	
Dieldrin 20 µg/ml	
a-Endosulfan 20 µg/ml	
b-Endosulfan 100 µg/ml	
Endosulfan sulfate 100 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13574.0001	1 ml	AMP

Florisil® cartridge check mixture (11C) standard solution — CL40.13643

EPA METHOD 8080/8081A, 8270C — Solution contains stated concentration in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

BHC (alpha isomer) 5 µg/ml
4.4'-DDD 10 µg/ml
4.4'-DDT 10 µg/ml
Decachlorobiphenyl 20 µg/ml
Dieldrin 10 µg/ml
Endrin 10 µg/ml
a-Endosulfan 5 µg/ml
Heptachlor 5 µg/ml
Lindane (BHC gamma isomer) 5 µg/ml
Methoxychlor 50 µg/ml
2,4,5,6-Tetrachloro-m-xylene 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13643.0001	1 ml	AMP

Surrogate standards mixture #1 (2C) standard solution — CL40.13641

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Decachlorobiphenyl
2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13641.0001	1 ml	AMP

EPA Method 8081A
Determination of PCB's by Capillary Column (GC)

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

4,4'-DDT
Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

Surrogate standards mixture #2 (2C) standard solution — CL40.13642

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Dibutyl chlorendate
2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13642.0001	1 ml	AMP

EPA Method 8082
Determination of Polychlorinated biphenyls (PCB's) (GC)

Aroclor calibration standards mixture (2C) standard solution — CL40.13644

EPA METHOD 8082/8082A — Solution contains 1000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

Arochlor 1016
Arochlor 1260

Art. Nr.	Pack	Pack Type
CL40.13644.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8090
Determination of Nitroaromatics and Cyclic Ketones (GC/ECD or GC/FID)

Nlitroaromatrics & ketones - control sample mixture (4C) standard solution — CL40.13573

EPA METHOD 609, 8090 — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2.4-Dinitrotoluene
- 2.6-Dinitrotoluene
- Isophorone
- Nitrobenzene

Art. Nr.	Pack	Pack Type
CL40.13573.0001	1 ml	AMP

Base neutrals surrogate standards mixtures (3C) standard solution — CL40.13645

EPA METHOD 8090, 8110, 8120A, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl
- Nitrobenzene-D5
- p-Terphenyl-D14

Art. Nr.	Pack	Pack Type
CL40.13645.0001	1 ml	AMP

EPA Method 8100
Determination of Polynuclear Aromatic Hydrocarbons (PAH's) (GC/FID)

Polynuclear aromatic hydrocarbons (PAH) (16C) standard solution — CL40.13575

EPA METHOD 610, 8100, 8270C, 8310, CLP — Solution contains 200 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H319-H340-H350-H372-H412
PNrs P201-P210-P273-P301 + P310-P308 + P313-P331

DANGER.

- Acenaphthene
- Acenaphthylene
- Anthracene
- 1,2-Benzanthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1,12-Benzoperylene
- Benzo(a)pyrene
- Chrysene
- 1,2:5,6-Dibenzanthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-C,D)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

Art. Nr.	Pack	Pack Type
CL40.13575.0001	1 ml	AMP

EPA Method 8110
Determination of Haloethers (GC)

Base neutrals surrogate standards mixtures (3C) standard solution — CL40.13645

EPA METHOD 8090, 8110, 8120A, 8250A/8270C, CLP Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl
- Nitrobenzene-D5
- p-Terphenyl-D14

Art. Nr.	Pack	Pack Type
CL40.13645.0001	1 ml	AMP

EPA Method 8111
Determination of Haloethers (GC)

Haloether RCRA analytes mixture (4C) standard solution — CL40.13650

EPA METHOD 8111 Solution contains 1 mg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Bis(2-chloroethoxy)methane
- Bis(2-chloroethyl)ether
- Bis(2-chloro-1-methylethyl) ether
- 4-Chlorophenyl phenyl ether

Art. Nr.	Pack	Pack Type
CL40.13650.0001	1 ml	AMP

Haloether RCRA surrogate standard (2C) standard solution — CL40.13651

EPA METHOD 8111 Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2,4-Dichlorophenyl phenyl ether
- 2,3,4-Trichlorophenyl phenyl ether

Art. Nr.	Pack	Pack Type
CL40.13651.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8120
Determinaton of Chlorinated Hydrocarbons (GC)

Chlorinated hydrocarbons (10C) standard solution — CL40.13652

EPA METHOD 8120A Solution contains 2000 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- 2-Chloronaphthalene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- 1,2,4,5-Tetrachlorobenzene
- 1,2,4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13652.0001	1 ml	AMP

Chlorinated hydrocarbons (9C) standard solution — CL40.13577

EPA METHOD 612, 8120A Solution contains 100 µg/ml in Methanol/Dichloromethane (1/1)

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Chloronaphthalene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- 1,2,4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13577.0001	1 ml	AMP

Base neutrals surrogate standards mixtures (3C) standard solution — CL40.13645

EPA METHOD 8090, 8110, 8120A, 8250A/8270C, CLP Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl
- Nitrobenzene-D5
- p-Terphenyl-D14

Art. Nr.	Pack	Pack Type
CL40.13645.0001	1 ml	AMP

EPA Method 8121
Determination of Chlorinated Hydrocarbons (GC)

Chlorinated hydrocarbons (22C) standard solution

CL40.13653

EPA METHOD 8121 Solution contains 1000 µg/ml in n-Hexane/Acetone (90/10)

Density 0.791 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Benzyl chloride
- a-BHC
- b-BHC
- d-BHC
- 2-Chloronaphthalene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- a,a-Dichlorotoluene
- Hexachlorobenzene
- Hexachloro-1,3-butadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Lindane
- Pentachlorobenzene
- 1,2,3,4-Tetrachlorobenzene
- 1,2,3,5-Tetrachlorobenzene
- 1,2,4,5-Tetrachlorobenzene
- 1,2,3-Trichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,3,5-Trichlorobenzene
- a,a,a-Trichlorotoluene

Art. Nr.	Pack	Pack Type
CL40.13653.0001	1 ml	AMP

EPA Method 8141A
Determinatino of Organophosphorous Compounds (GC)

Organophosphorus pesticides (20C) standard solution

CL40.13654

EPA METHOD 8140/8141A/8141B Solution contains 100 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Chlorpyrifos
- Coumaphos
- Demeton-S
- Diazinon
- Dibrom
- Dichlorvos
- Disulfoton
- Prophos
- Sulprofos
- Tetrachlorvinphos
- Tokuthion®
- Tributylphosphorotrithioite
- Trichloronate
- Fenchlorophos
- Fensulfothion
- Fenthion
- Guthion®
- Methyl parathion
- Phorate
- Phosdrin

Art. Nr.	Pack	Pack Type
CL40.13654.0001	1 ml	AMP

Organophosphorus compounds mixture (19C) standard solution

CL40.13657

EPA METHOD 8141A/8141B Solution contains 100 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- Aspon®
- Carbophenothion
- Chlorfenvinphos
- Chlorpyrifos methyl
- Crotoxyphos
- Dichlofenthion
- Dicrotophos
- Dioxathion
- Dyfonate®
- Dylox®
- Ethion
- Famphur
- Fenitrothion
- Guthion Ethyl
- Leptophos
- Imidan®
- Phosphamidon
- Terbufos
- Zinophos®

Art. Nr.	Pack	Pack Type
CL40.13657.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8141A
Determinatino of Organophosphorous Compounds (GC)

Organophosphorus compounds (7C) standard solution — CL40.13656

EPA METHOD 8141A/8141B (Supplement to EPA Method 8140) Solution contains 100 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- Dimethoate
- EPN
- Malathion
- Monocrotophos
- Parathion®
- Tetraethyldithiopyrophosphate
- Tetraethylpyrophosphate

Art. Nr.	Pack	Pack Type
CL40.13656.0001	1 ml	AMP

Special organophosphorus mixture (5C) standard solution — CL40.13658

EPA METHOD 8141A/8141B Solution contains 100 µg/ml in Cyclohexane

Density 0.78 g/ml
HS Nr 38220000
UN 1145
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Diazinon
- Ethion
- Malathion
- Methyl parathion
- Parathion®

Art. Nr.	Pack	Pack Type
CL40.13658.0001	1 ml	AMP

Triazine herbicides mixture (2C) standard solution — CL40.13655

EPA METHOD 8141A/8141B Solution contains 200 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Atrazine
- Simazine

Art. Nr.	Pack	Pack Type
CL40.13655.0001	1 ml	AMP

EPA Method 8510B, 8151
Determination of Chlorinated Herbicides (GC)

Methylated chlorinated herbicides (19C) standard solution — CL40.13584

EPA METHOD 8151 Solution contains 1000 µg/ml in Acetone/iso-Octane (10/90)

Density 0.791 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Acifluorfen methyl ester
- Bentazon methyl derivative
- Chloramben methyl ester
- 4-Chloro-o-tolyloxyacetic acid methyl ester
- 2.4.5-Trichlorophenoxy)acetic acid methyl ester
- Chlorthal
- 2.4-D methyl ester
- Dalapon methyl ester
- 2,4-DB methyl ester
- Dicamba methyl ester
- 3.5-Dichlorobenzoic acid methyl ester
- Dichlorprop methyl ester
- Dinoseb methyl ether
- 5-Hydroxydicamba
- Mecoprop methyl ester
- p-Nitroanisole
- Pentachloroanisole
- Picloram methyl ester
- Silvex methyl ester

Art. Nr.	Pack	Pack Type
CL40.13584.0001	1 ml	AMP

EPA Method 8510B, 8151
Determination of Chlorinated Herbicides (GC)

Chlorinated herbicides (18C) standard solution — CL40.13583

EPA METHOD 8151 — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Acifluorfen
- Bentazon
- Chloramben
- 4-Chloro-o-tolyloxyacetic acid
- 2,4-D
- Dalapon
- 2,4-DB
- Dicamba
- 3,5-Dichlorobenzoic acid
- Dichlorprop
- Dinoseb
- Tetrachloroterephthalic acid
- Mecoprop
- 4-Nitrophenol
- Pentachlorophenol
- Picloram
- Silvex
- 2,4,5-T®

Art. Nr.	Pack	Pack Type
CL40.13583.0001	1 ml	AMP

Methylated chlorinated herbicides (10C) standard solution — CL40.13660

EPA METHOD 8150B, 1618 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 2,4-D, methyl ester
- 2,4-DB, methyl ester
- Dalapon, methyl ester
- Dicamba, methyl ester
- Dichlorprop, methyl ester
- Dinoseb, methyl ether
- 4-Chloro-o-tolyloxy acetic acid methyl ester
- Mecoprop methyl ester
- Silvex, methyl ester
- (2,4,5-Trichlorophenoxy) acetic acid methyl ester

Art. Nr.	Pack	Pack Type
CL40.13660.0001	1 ml	AMP

Chlorinated herbicides - control sample mixture (10C) standard solution — CL40.13585

EPA METHOD 615, 8150B — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-o-tolyloxyaceticacid10,000 µg/ml
- 2.4-D 100 µg/ml
- Dalapon 250 µg/ml
- 2.4-DB 100 µg/ml
- Dicamba 10 µg/ml
- Dichlorprop 100 µg/ml
- Dinoseb 50 µg/ml
- Mecoprop 10,000 µg/ml
- Silvex 10 µg/ml
- 2.4.5-T® 10 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13585.0001	1 ml	AMP

Methylated chlorinated herbicides mixture (10C) standard solution — CL40.13613

EPA METHOD 1618, 8150B — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2,4-D, methyl ester
- 2,4-DB, methyl ester
- Dalapon, methyl ester
- Dicamba, methyl ester
- Dichlorprop, methyl ester
- Dinoseb, methyl ether
- 4-Chloro-o-tolyloxy acetic acid methyl ester
- Mecoprop methyl ester
- Silvex, methyl ester
- 2,4,5-(Trichlorophenoxy) acetic acid methyl ester

Art. Nr.	Pack	Pack Type
CL40.13613.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8510B, 8151
Determination of Chlorinated Herbicides (GC)

Chlorinated herbicides (10C) standard solution — CL40.13659

EPA METHOD 8150B, 1618, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2,4-D	2,4,5-T®
2,4-DB	
Dalapon	
Dicamba	
Dichlorprop	
Dinoseb	
4-Chloro-o-tolyloxyacetic acid	
Mecoprop	
Silvex	

Art. Nr.	Pack	Pack Type
CL40.13659.0001	1 ml	AMP

Methylated chlorinated herbicides - control sample mixture (10C) standard solution — CL40.13586

EPA METHOD 615, 8150B — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

4-Chloro-o-tolyloxyacetic acid methyl ester 10000 µg/ml	(2.4.5-Trichlorophenoxy)acetic acid methyl ester 10 µg/ml
2.4-D methyl ester 100 µg/ml	
Dalapon methyl ester 250 µg/ml	
2,4-DB methyl ester 100 µg/ml	
Dicamba methyl ester 10 µg/ml	
Dichlorprop methyl ester 100 µg/ml	
Dinoseb methyl ether 50 µg/ml	
Mecoprop methyl ester 10000 µg/ml	
Silvex methyl ester 10 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13586.0001	1 ml	AMP

Chlorinated herbicides - control sample mixture (10C) standard solution — CL40.13661

EPA METHOD 8150B — Solution contains stated concentration in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352
DANGER.

4-Chloro-o-tolyloxyacetic acid 10000 µg/ml	2,4,5-T® 10 µg/ml
2.4-D 100 µg/ml	
Dalapon 250 µg/ml	
2.4-DB 100 µg/ml	
Dicamba 10 µg/ml	
Dichlorprop 100 µg/ml	
Dinoseb 50 µg/ml	
Mecoprop 10000 µg/ml	
Silvex 10 µg/ml	

Art. Nr.	Pack	Pack Type
CL40.13661.0001	1 ml	AMP

Chlorinated herbicides mixture (10C) standard solution — CL40.13612

EPA METHOD 1618, 8150B, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2,4-D	2,4,5-T®
2,4-DB	
Dalapon	
Dicamba	
Dichlorprop	
Dinoseb	
4-Chloro-o-tolyloxyacetic acid	
Mecoprop	
Silvex	

Art. Nr.	Pack	Pack Type
CL40.13612.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

EPA Method 8510B, 8151
Determination of Chlorinated Herbicides (GC)

Chlorinated hydrocarbons mixture #2 (9C) standard solution — CL40.13578

EPA METHOD 8150B — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2-Chloronaphthalene 400 µg/ml
1.2-Dichlorobenzene 200 µg/ml
1.3-Dichlorobenzene 200 µg/ml
1.4-Dichlorobenzene 400 µg/ml
Hexachlorobenzene 1 µg/ml
Hexachloro-1.3-butadiene 1 µg/ml
Hexachlorocyclopentadiene 1 µg/ml
Hexachloroethane 1 µg/ml
1.2.4-Trichlorobenzene 40 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13578.0001	1 ml	AMP

Chlorinated herbicide esters mixture (3C) standard solution — CL40.13579

EPA METHOD 8150B — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2,4-D methyl ester
Silvex methyl ester
2,4,5-T methyl ester

Art. Nr.	Pack	Pack Type
CL40.13579.0001	1 ml	AMP

EPA Method 8240B
Determination of Organics (GC/MS)

Volatile organics mixture #1 (37C) standard solution — CL40.13662

EPA METHOD 8240B, 5041, 5035A — Solution contains 200 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Acetone
Acetonitrile
Benzene
Bromodichloromethane
Bromoform
2-Butanone
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroform
1.1-Dichloroethane
1.2-Dichloroethane
1,1-Dichloroethene
trans-1.2-Dichloroethene
Dibromomethane
1.4-Dichloro-2-butene cis & trans
1.2-Dichloropropane
cis-1.3-Dichloropropene
trans-1.3-Dichloropropene
Ethylbenzene
Ethyl methacrylate
2-Hexanone
Methyl iodide
Methylene chloride
4-Methyl-2-pentanone
Styrene
Tetrachloroethene
1.1.2.2-Tetrachloroethane
Toluene
1.1.1-Trichloroethane
1.1.2-Trichloroethane
Trichloroethene
1.2.3-Trichloropropane
o-Xylene
m-Xylene
p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13662.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Non-halogenated volatiles (11C) standard solution — CL40.13629

EPA METHOD 8015A, 8240B, 5035A — Solution contains 100 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetonitrile
- 2-Butanone
- Ethyl ether
- 1,4-Dioxane
- Ethyl Alcohol
- Ethyl methacrylate
- Isobutyl alcohol
- Methacrylonitrile
- Methyl methacrylate
- 4-Methyl-2-pentanone
- Propionitrile

Art. Nr.	Pack	Pack Type
CL40.13629.0001	1 ml	AMP

Volatiles calibration check mixture (6C) standard solution — CL40.13669

EPA METHOD 8240B/8260A/8260B, CLP, 5035A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Chloroform
- 1,2-Dichloropropane
- 1,1-Dichloroethene
- Ethylbenzene
- Toluene
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13669.0001	1 ml	AMP

Combined purgeable internal & surrogate standards mixture (6C) standard solution — CL40.13664

EPA METHOD 8240B, CLP, 5035A — Solution contains 2500 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- 4-Bromofluorobenzene
- Chlorobenzene-d5
- 1,2-Dichloroethane-d4
- 1,4-Difluorobenzene
- Toluene-d8

Art. Nr.	Pack	Pack Type
CL40.13664.0001	1 ml	AMP

Volatiles system performance mixture (5C) standard solution — CL40.13668

EPA METHOD 8240B/8260A/8260B, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromoform
- Chlorobenzene
- 1,1-Dichloroethane
- Methyl chloride
- 1,1,2,2-Tetrachloroethane

Art. Nr.	Pack	Pack Type
CL40.13668.0001	1 ml	AMP

Purgeables matrix spiking mixtures (5C) standard solution — CL40.13666

EPA METHOD 8240B/8260A/8260B, 8250A/8270C, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Chlorobenzene
- 1,1-Dichloroethene
- Toluene
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13666.0001	1 ml	AMP

Purgeables surrogate standards mixtures (3C) standard solution — CL40.13663

EPA METHOD 8240B, 5041, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Bromofluorobenzene
- 1,2-Dichloroethane-d4
- Toluene-d8

Art. Nr.	Pack	Pack Type
CL40.13663.0001	1 ml	AMP

Purgeables internal standards mixtures (3C) standard solution — CL40.13621

EPA METHOD 1666, 8240B, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Chlorobenzene-d5
- 1,4-Difluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13621.0001	1 ml	AMP

Volatile organic compounds (60C) standard solution

CL40.13503

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
n-Butyl benzene
sec-Butyl benzene
tert-Butyl benzene
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
2-Chlorotoluene
4-Chlorotoluene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
Dibromomethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Hexachloro-1,3-butadiene
Isopropyl benzene
p-Isopropyl toluene
Methyl bromide
Methyl chloride
Methylene chloride
Naphthalene
n-Propyl benzene
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl chloride
o-Xylene
m-Xylene
p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13503.0001	1 ml	AMP

Volatile organic compounds (60C) standard solution

CL40.13502

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
n-Butyl benzene
sec-Butyl benzene
tert-Butyl benzene
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
2-Chlorotoluene
4-Chlorotoluene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
Dibromomethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
Hexachloro-1,3-butadiene
Isopropyl benzene
p-Isopropyl toluene
Methyl bromide
Methyl chloride
Methylene chloride
Naphthalene
n-Propyl benzene
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl chloride
o-Xylene
m-Xylene
p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13502.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution

CL40.13508

EPA METHOD 502/524, 8021A, 8260A

Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13508.0001	1 ml	AMP

Liquid volatile organic compounds mixture (54C) standard solution

CL40.13745

EPA METHOD 502/524, 8021A, 8260A

Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- n-Butylbenzene
- sec-Butylbenzene
- tert-Butylbenzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 2-Chlorotoluene
- 4-Chlorotoluene
- Chlorodibromomethane
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Ethylbenzene
- Hexachloro-1.3-butadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methylene chloride
- Naphthalene
- n-Propylbenzene
- Styrene
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1.2.3-Trichlorobenzene
- 1.2.4-Trichlorobenzene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- 1.2.3-Trichloropropane
- 1.2.4-Trimethylbenzene
- 1.3.5-Trimethylbenzene
- o-Xylene
- m-Xylene

Art. Nr.	Pack	Pack Type
CL40.13745.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution — CL40.13506

EPA METHOD 502/524, 8021A, 8260A — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13506.0001	1 ml	AMP

Haloalkanes volatile organic compounds mixture (34C) standard solution — CL40.13507

EPA METHOD 502/524, 8021A, 8260A — Solution contains 2000 µg/ml in Methanol - Keep at -20°C

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorodibromomethane
- Chloroethane
- Chloroform
- 1.2-Dibromo-3-chloropropane
- 1.2-Dibromoethane
- Dibromomethane
- Dichlorodifluoromethane
- 1.1-Dichloroethane
- 1.2-Dichloroethane
- 1,1-Dichloroethene
- cis-1.2-Dichloroethene
- trans-1.2-Dichloroethene
- 1.2-Dichloropropane
- 1.3-Dichloropropane
- 2.2-Dichloropropane
- 1.1-Dichloropropene
- cis-1.3-Dichloropropene
- trans-1.3-Dichloropropene
- Hexachloro-1.3-butadiene
- Methyl bromide
- Methylene chloride
- Methyl chloride
- 1.1.1.2-Tetrachloroethane
- 1.1.2.2-Tetrachloroethane
- Tetrachloroethene
- 1.1.1-Trichloroethane
- 1.1.2-Trichloroethane
- Trichloroethene
- Trichlorofluoromethane
- 1.2.3-Trichloropropane

Art. Nr.	Pack	Pack Type
CL40.13507.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

Aromatic volatile organics mixture (25C) standard solution

CL40.13505

EPA METHOD 502/524, 8021A, 8260A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13505.0001	1 ml	AMP

Aromatic volatile organics mixture (25C) standard solution

CL40.13504

EPA METHOD 502/524, 8021A, 8260A Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Toluene
Bromobenzene	1.2.3-Trichlorobenzene
sec-Butylbenzene	1.2.4-Trichlorobenzene
tert-Butylbenzene	1.2.4-Trimethylbenzene
Chlorobenzene	1.3.5-Trimethylbenzene
2-Chlorotoluene	o-Xylene
4-Chlorotoluene	m-Xylene
1.2-Dichlorobenzene	p-Xylene
1.3-Dichlorobenzene	n-Butylbenzene
1.4-Dichlorobenzene	
Ethylbenzene	
Isopropylbenzene	
p-Isopropyltoluene	
Naphthalene	
n-Propylbenzene	
Styrene	

Art. Nr.	Pack	Pack Type
CL40.13504.0001	1 ml	AMP

Purgeable organic compounds - supplement (23C) standard solution

CL40.13509

EPA METHOD 524.2, 8260A Solution contains 100 µg/ml in Methanol/Water (95/5)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Acetone	Methyl iodide
Acrylonitrile	Methyl methacrylate
2-Butanone	4-Methyl-2-pentanone
Carbon disulfide	tert-Butyl methyl ether
Chloroacetonitrile	Nitrobenzene
1-Chlorobutane	2-Nitropropane
1.4-Dichloro-2-butene cis & trans	Pentachloroethane
1,1-Dichloroacetone	Propionitrile
Ethyl ether	Tetrahydrofuran
Ethyl methacrylate	
Hexachloroethane	
2-Hexanone	
Methacrylonitrile	
Methyl acrylate	

Art. Nr.	Pack	Pack Type
CL40.13509.0001	1 ml	AMP

Volatiles calibration check mixture (6C) standard solution — CL40.13669

EPA METHOD 8240B/8260A/8260B, CLP, 5035A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Chloroform
- 1,2-Dichloropropane
- 1,1-Dichloroethene
- Ethylbenzene
- Toluene
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13669.0001	1 ml	AMP

Volatiles system performance mixture (5C) standard solution — CL40.13668

EPA METHOD 8240B/8260A/8260B, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromoform
- Chlorobenzene
- 1,1-Dichloroethane
- Methyl chloride
- 1,1,2,2-Tetrachloroethane

Art. Nr.	Pack	Pack Type
CL40.13668.0001	1 ml	AMP

Purgeables matrix spiking mixtures (5C) standard solution — CL40.13666

EPA METHOD 8240B/8260A/8260B, 8250A/8270C, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Chlorobenzene
- 1,1-Dichloroethene
- Toluene
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13666.0001	1 ml	AMP

Internal standards mixture (4C) standard solution — CL40.13665

EPA METHOD 8260A/8260B, 5035A — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Chlorobenzene-d5
- 1,4-Difluorobenzene
- 1,4 Dichlorobenzene-d4
- Pentafluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13665.0001	1 ml	AMP

Surrogate standards mixture #A (4C) standard solution — CL40.13671

EPA METHOD 8260A/8260B, 5035A Solution contains 2500 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 4-Bromofluorobenzene
- Dibromofluoromethane
- 1,2-Dichloroethane-d4
- Toluene-d8

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13671.0001	1 ml	AMP

Surrogate standards mixture (3C) standard solution — CL40.13670

EPA METHOD 8260A/8260B, 5035A Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- 4-Bromofluorobenzene
- Dibromofluoromethane
- Toluene-d8

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13670.0001	1 ml	AMP

Internal standards mixture (3C) standard solution — CL40.13667

EPA METHOD 8260B, 5035A Solution contains 2500 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Fluorobenzene
- Chlorobenzene-D5
- 1.4-Dichlorobenzene-D4

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13667.0001	1 ml	AMP

Base neutrals extractables mixture (44C) standard solution — CL40.13596

EPA METHOD 625/1625, 8270C, CLP — Solution contains 100 µg/ml in Benzene/Dichloromethane/Acetonitrile (4/4/2)

Density 0.88 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H332-H312-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Acenaphthene	Di-n-octyl phthalate
Acenaphthylene	Fluoranthene
Anthracene	Fluorene
Azobenzene	Hexachlorobenzene
1.2-Benzanthracene	Hexachloro-1.3-butadiene
Benzo(b)fluoranthene	Hexachlorocyclopentadiene
Benzo(k)fluoranthene	Hexachloroethane
1.12-Benzoperylene	Indeno(1.2.3-C.D)pyrene
Benzo(a)pyrene	Isophorone
Bis(2-chloroethyl)ether	Naphthalene
Bis(2-chloroethoxy)methane	Nitrobenzene
Bis(2-ethylhexyl)phthalate	N-Nitrosodimethylamine
Bis(2-chloroisopropyl)ether	N-Nitrosodi-n-propylamine
4-Bromophenyl phenyl ether	N-Nitrosodiphenylamine
Butyl benzyl phthalate	Phenanthrene
2-Chloronaphthalene	Pyrene
4-Chlorophenyl phenyl ether	1.2.4-Trichlorobenzene
Chrysene	
1.2:5.6-Dibenzanthracene	
Di-n-butyl phthalate	
1.2-Dichlorobenzene	
1.3-Dichlorobenzene	
1.4-Dichlorobenzene	
Diethyl phthalate	
Dimethyl phthalate	
2.4-Dinitrotoluene	
2.6-Dinitrotoluene	

Art. Nr.	Pack	Pack Type
CL40.13596.0001	1 ml	AMP

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Aldrin®	a-Endosulfan
Arochlor 1242	b-Endosulfan
Arochlor 1254	Endosulfan sulfate
Arochlor 1221	Endrin
Arochlor 1232	Endrin aldehyde
Arochlor 1248	Heptachlor
Arochlor 1260	Heptachlor epoxide
Arochlor 1016	Lindane (g-BHC)
a-BHC	Methoxychlor
b-BHC	Toxaphene®
d-BHC	
Chlordane	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
Dieldrin	

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Semivolatiles mixture #6 (23C) standard solution — CL40.13678

EPA METHOD 8250A/8270C (Acenaphthene-d10 is the internal standard for the following analytes)

Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

Acenaphthene	o-Nitroaniline
Acenaphthylene	m-Nitroaniline
1-Chloronaphthalene	p-Nitroaniline
2-Chloronaphthalene	4-Nitrophenol
4-Chlorophenyl phenyl ether	Pentachlorobenzene
Dibenzofuran	1.2.4.5-Tetrachlorobenzene
Diethyl phthalate	2.3.4.6-Tetrachlorophenol
Dimethyl phthalate	2.4.5-Trichlorophenol
2.4-Dinitrophenol	2.4.6-Trichlorophenol
2.4-Dinitrotoluene	
2.6-Dinitrotoluene	
Fluorene	
a-Naphthylamine	
b-Naphthylamine	

Art. Nr.	Pack	Pack Type
CL40.13678.0001	1 ml	AMP

Semi-volatiles supplement mixture (19C) standard solution — CL40.13680

EPA METHOD 8270C

Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

p-Acetophenetidide	N-Nitrosodi-n-butylamine
Acetophenone	N-Nitrosopiperidine
4-Aminobiphenyl	Pentachlorobenzene
1-Chloronaphthalene	Pentachloronitrobenzene
Dibenz(a,j)acridine	2-Picoline
p-Dimethylaminoazobenzene	Propyzamide
7.12-Dimethylbenz(a)anthracene	1.2.4.5-Tetrachlorobenzene
a.a-Dimethylphenethylamine Solution	
Diphenylamine	
3-Methyl cholanthrene	
a-Naphthylamine	
b-Naphthylamine	

Art. Nr.	Pack	Pack Type
CL40.13680.0001	1 ml	AMP

Semivolatiles mixture #5 (18C) standard solution — CL40.13676

EPA METHOD 8250A/8270C (Naphthalene-d8 is the internal standard for the following analytes).

Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Acetophenone	2-Methylnaphthalene
Benzoic acid	Naphthalene
Bis(2-chloroethoxy)methane	Nitrobenzene
4-Chloroaniline	2-Nitrophenol
4-Chloro-3-methylphenol	N-Nitrosodi-n-butylamine
2.4-Dichlorophenol	N-Nitrosopiperidine
2.6-Dichlorophenol	1.2.4-Trichlorobenzene
a.a-Dimethylphenethylamine	
2.4-Dimethylphenol	
Hexachloro-1.3-butadiene	
Isophorone	

Art. Nr.	Pack	Pack Type
CL40.13676.0001	1 ml	AMP

Phenol Mix (17C) standard solution

NEW CL40.39183

High quality standard for GC EPA METHOD 604, 625/1625, 8270C Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methylphenol	4-Nitrophenol
2-Chlorophenol	Pentachlorophenol
m-Cresol (3-methylphenol)	Phenol
o-Cresol (2-methylphenol)	2,3,4,6-Tetrachlorophenol
p-Cresol (4-methylphenol)	2,4,5-Trichlorophenol
2,4-Dichlorophenol	2,4,6-Trichlorophenol
2,6-Dichlorophenol	
2,4-Dimethylphenol	
2-Methyl-4,6-dinitrophenol	
2,4-Dinitrophenol	
2-Nitrophenol	

Art. Nr.	Pack	Pack Type
CL40.39183.0001	1 ml	AMP

Acids mixture (17C) standard solution

CL40.13681

EPA METHOD 8270C, CLP Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

Benzoic acid	4-Nitrophenol
4-Chloro-3-methylphenol	Pentachlorophenol
2-Chlorophenol	Phenol
2.4-Dichlorophenol	2.4.5-Trichlorophenol
2.6-Dichlorophenol	2.4.6-Trichlorophenol
2.4-Dimethylphenol	2.3.4.6-Tetrachlorophenol
4.6-Dinitro-o-cresol	
2.4-Dinitrophenol	
2-Methylphenol	
4-Methylphenol	
2-Nitrophenol	

Art. Nr.	Pack	Pack Type
CL40.13681.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution

CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Aldrin®	Endosulfan sulfate
BHC (alpha isomer)	Endrin
BHC (beta isomer)	Endrin aldehyde
BHC (delta isomer)	Heptachlor
Lindane	Heptachlor epoxide
4,4'-DDD	Methoxychlor
4,4'-DDE	
4,4'-DDT	
Dieldrin	
Endosulfan I	
Endosulfan II	

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Polynuclear aromatic hydrocarbons (PAH) (16C) standard solution — CL40.13575

EPA METHOD 610, 8100, 8270C, 8310, CLP — Solution contains 200 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H319-H340-H350-H372-H412
PNrs P201-P210-P273-P301 + P310-P308 + P313-P331
DANGER.

Acenaphthene	Fluorene
Acenaphthylene	Indeno(1,2,3-C,D)pyrene
Anthracene	Naphthalene
1,2-Benzanthracene	Phenanthrene
Benzo(b)fluoranthene	Pyrene
Benzo(k)fluoranthene	
1,12-Benzoperylene	
Benzo(a)pyrene	
Chrysene	
1,2:5,6-Dibenzanthracene	
Fluoranthene	

Art. Nr.	Pack	Pack Type
CL40.13575.0001	1 ml	AMP

Semivolatiles mixture #4 (15C) standard solution — CL40.13675

EPA METHOD 8250A/8270C (1,4-DichloroBenzene-d4 is the internal standard for the following analytes) — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Aniline	4-Methylphenol
Benzyl alcohol	N-Nitrosodimethylamine
Bis(2-chloroethyl)ether	N-Nitrosodi-n-propylamine
Bis(2-chloroisopropyl)ether	Phenol
2-Chlorophenol	2-Picoline
1.2-Dichlorobenzene	
1.3-Dichlorobenzene	
1.4-Dichlorobenzene	
Hexachloroethane	
2-Methylphenol	

Art. Nr.	Pack	Pack Type
CL40.13675.0001	1 ml	AMP

Mixture #1-base neutrals (14C) standard solution — CL40.13691

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Bis(2-chloroethoxy)methane	Dimethyl phthalate
Bis(2-chloroethyl)ether	Di-n-octyl phthalate
Bis(2-chloroisopropyl)ether	N-Nitrosodimethylamine
Bis(2-ethylhexyl)phthalate	N-Nitrosodiphenylamine
4-Bromophenyl phenyl ether	N-Nitrosodi-n-propylamine
Butyl benzyl phthalate	
4-Chlorophenyl phenyl ether	
Di-n-butyl phthalate	
Diethyl phthalate	

Art. Nr.	Pack	Pack Type
CL40.13691.0001	1 ml	AMP

Mixture #2-base-neutrals (14C) standard solution — CL40.13693

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Azobenzene	Hexachlorocyclopentadiene
2-Chloronaphthalene	Hexachloroethane
1.2-Dichlorobenzene	Isophorone
1.3-Dichlorobenzene	Nitrobenzene
1.4-Dichlorobenzene	1.2.4-Trichlorobenzene
2.4-Dinitrotoluene	
2.6-Dinitrotoluene	
Hexachlorobenzene	
Hexachloro-1.3-butadiene	

Art. Nr.	Pack	Pack Type
CL40.13693.0001	1 ml	AMP

EPA Method 8270C
Determination of Semivolatile Organic Compounds (GC/MS)

Semi-volatiles mixture #1 (13C) standard solution — CL40.13679

EPA METHOD 8270C — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Aramite
- Chlorobenzilate
- Di-allate
- Dimethoate
- Dinoseb
- Disulfoton
- Famphur
- Kepone®
- Methyl parathion
- Parathion®
- Phorate
- Tetraethyldithio pyrophosphate
- Zinophos®

Art. Nr.	Pack	Pack Type
CL40.13679.0001	1 ml	AMP

Semivolatiles mixture #1 (13C) standard solution — CL40.13672

EPA METHOD 8250A/8270C (Phenanthrene-d10 is the internal standard for the following analytes) — Solution contains 1000 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352
DANGER.

UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II

- p-Acetophenetidide
- Anthracene
- Azobenzene
- 4-Bromophenyl phenyl ether
- Di-n-butyl phthalate
- 4.6-Dinitro-o-cresol
- Diphenylamine
- Fluoranthene
- Hexachlorobenzene
- Pentachloronitrobenzene
- Pentachlorophenol
- Phenanthrene
- Propyzamide

Art. Nr.	Pack	Pack Type
CL40.13672.0001	1 ml	AMP

Combined acids & base neutrals matrix spiking mixture (11C) standard solution — CL40.13688

EPA METHOD 8250A/8270C, CLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene 1000 µg/ml
- 4-Chloro-3-methylphenol 1500 µg/ml
- 2-Chlorophenol 1500 µg/ml
- 1.4-Dichlorobenzene 1000 µg/ml
- 2.4-Dinitrotoluene 1000 µg/ml
- 4-Nitrophenol 1500 µg/ml
- N-Nitrosodi-n-propylamine 1000 µg/ml
- Pentachlorophenol 1500 µg/ml
- Phenol 1500 µg/ml
- Pyrene 1000 µg/ml
- 1.2.4-Trichlorobenzene 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13688.0001	1 ml	AMP

Special combined matrix spiking mixture (11C) standard solution — CL40.13689

EPA METHOD 8250A/8270C, CLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene 1000 µg/ml
- 4-Chloro-3-methylphenol 2000 µg/ml
- 2-Chlorophenol 2000 µg/ml
- 1.4-Dichlorobenzene 1000 µg/ml
- 2.4-Dinitrotoluene 1000 µg/ml
- 4-Nitrophenol 2000 µg/ml
- N-Nitrosodi-n-propylamine 1000 µg/ml
- Pentachlorophenol 2000 µg/ml
- Phenol 2000 µg/ml
- Pyrene 1000 µg/ml
- 1.2.4-Trichlorobenzene 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13689.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Florisil® cartridge check mixture (11C) standard solution — CL40.13643

EPA METHOD 8080/8081A, 8270C — Solution contains stated concentration in n-Hexane

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- BHC (alpha isomer) 5 µg/ml
- 4.4'-DDD 10 µg/ml
- 4.4'-DDT 10 µg/ml
- Decachlorobiphenyl 20 µg/ml
- Dieldrin 10 µg/ml
- Endrin 10 µg/ml
- a-Endosulfan 5 µg/ml
- Heptachlor 5 µg/ml
- Lindane (BHC gamma isomer) 5 µg/ml
- Methoxychlor 50 µg/ml
- 2,4,5,6-Tetrachloro-m-xylene 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13643.0001	1 ml	AMP

Phenols (11C) standard solution — CL40.13746

EPA METHOD 604, 625/1625, 8270C — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methyl phenol
- 2-Chlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-o-cresol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13746.0001	1 ml	AMP

Phenols (11C) standard solution — CL40.13566

EPA METHOD 604, 625/1625, 8270C — Solution contains 100 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methyl phenol
- 2-Chlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-o-cresol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13566.0001	1 ml	AMP

Semivolatiles mixture #3 (10C) standard solution — CL40.13674

EPA METHOD 8250A/8270C (Perylene-d12 is the internal standard for the following analytes) — Solution contains 1000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1.12-Benzoperylene
- Benzo(a)pyrene
- Dibenz(a,j)acridine
- 1.2:5.6-Dibenzanthracene
- 7.12-Dimethylbenz(a)anthracene
- Di-n-octyl phthalate
- Indeno(1.2.3-C.D)pyrene
- 3-Methyl cholanthrene

Art. Nr.	Pack	Pack Type
CL40.13674.0001	1 ml	AMP

Semi-volatiles supplement mixture (10C) standard solution — CL40.13682

EPA METHOD 8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Aniline
- Benzyl alcohol
- Carbazole
- 4-Chloroaniline
- Dibenzofuran
- 2-Methylnaphthalene
- o-Nitroaniline
- m-Nitroaniline
- p-Nitroaniline
- Pyridine

Art. Nr.	Pack	Pack Type
CL40.13682.0001	1 ml	AMP

Semi-volatiles mixture #3 (10C) standard solution — CL40.13684

EPA METHOD 8270C — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- 2-Acetamidofluorene
- m-Dinitrobenzene
- Hexachlorophene
- Hexachloropropene
- Isodrin
- Isosafrole
- Methapyrilene hydrochloride
- 1.4-Naphthoquinone
- Safrole
- O.O.O-Triethylphosphorothioate

Art. Nr.	Pack	Pack Type
CL40.13684.0001	1 ml	AMP

Nlitrosoamines - high concentration mixture #1 (9C) standard solution — CL40.13695

EPA METHOD 8270C — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- N-Nitrosodi-n-butylamine
- N-Nitrosodiethylamine
- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-n-propylamine
- N-Nitrosomethylethylamine
- N-Nitrosomorpholine
- N-Nitrosopiperidine
- N-Nitrosopyrrolidine

Art. Nr.	Pack	Pack Type
CL40.13695.0001	1 ml	AMP

Organophosphorus pesticides - high concentration (9C) standard solution — CL40.13686

EPA METHOD 8270C — Solution contains 2000 µg/ml in n-Hexane/Acetone (80/20)

Density 0.791 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Dimethoate
- Disulfoton
- Famphur
- Methyl parathion
- Phorate
- Parathion®
- Tetraethyldithiopyrophosphate (Sulfotep)
- O,O,O-Triethylphosphorothioate
- Zinophos® (Thionazin)

Art. Nr.	Pack	Pack Type
CL40.13686.0001	1 ml	AMP

Mixture #4 - hazardous substances (8C) standard solution — CL40.13699

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Aniline
- Benzyl alcohol
- 4-Chloroaniline
- Dibenzofuran
- 2-Methylnaphthalene
- o-Nitroaniline
- m-Nitroaniline
- p-Nitroaniline

Art. Nr.	Pack	Pack Type
CL40.13699.0001	1 ml	AMP

Semivolatiles mixture #2 (8C) standard solution — CL40.13673

EPA METHOD 8250A/8270C (Chrysene-d12 is the internal standard for the following analytes.) — Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000

UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

- Benzidine
- 1.2-Benzanthracene
- Bis(2-ethylhexyl)phthalate
- Butyl benzyl phthalate
- Chrysene
- 3.3-Dichlorobenzidine
- p-Dimethylaminoazobenzene
- Pyrene

Art. Nr.	Pack	Pack Type
CL40.13673.0001	1 ml	AMP

Semi-volatiles mixture #2 (8C) standard solution — CL40.13683

EPA METHOD 8270C — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Nitroquinoline-N-oxide
- N-Nitrosodiethylamine
- N-Nitrosomethylethylamine
- N-Nitrosomorpholine
- N-Nitrosopyrrolidine
- 5-Nitro-o-toluidine
- o-Tolidine
- o-Toluidine

Art. Nr.	Pack	Pack Type
CL40.13683.0001	1 ml	AMP

Base neutrals spiking mixture (7C) standard solution — CL40.13685

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Acenaphthene
- Di-n-butyl phthalate
- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- N-Nitroso-di-n-propylamine
- Pyrene
- 1,2,4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13685.0001	1 ml	AMP

Base neutrals calibration check mixture (7C) standard solution — CL40.13692

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

- Acenaphthene
- Benzo(a)pyrene
- 1.4-Dichlorobenzene
- Di-n-octyl phthalate
- Fluoranthene
- Hexachloro-1.3-butadiene
- N-Nitrosodiphenylamine

Art. Nr.	Pack	Pack Type
CL40.13692.0001	1 ml	AMP

Mixture #8-internal standards (6C) standard solution — CL40.13703

EPA METHOD 8250A/8270C, CLP — Solution contains 4000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

- Acenaphthene-d10
- Chrysene-d12
- 1.4-Dichlorobenzene-d4
- Naphthalene-d8
- Perylene-d12
- Phenanthrene-d10

Art. Nr.	Pack	Pack Type
CL40.13703.0001	1 ml	AMP

Acids calibration check mixture (6C) standard solution — CL40.13690

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

- 4-Chloro-3-methylphenol
- 2.4-Dichlorophenol
- 2-Nitrophenol
- Phenol
- Pentachlorophenol
- 2.4.6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13690.0001	1 ml	AMP

Base neutrals matrix spiking mixtures #A (6C) standard solution — CL40.13694

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

- Acenaphthene
- 1.4-Dichlorobenzene
- 2.4-Dinitrotoluene
- N-Nitrosodi-n-propylamine
- Pyrene
- 1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13694.0001	1 ml	AMP

Organochlorine Pesticide matrix spiking mixture (6C) standard solution — CL40.13698

EPA METHOD 8250A/8270C Solution contains stated concentration in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Aldrin® 200 µg/ml
4,4'-DDT 500 µg/ml
Dieldrin 500 µg/ml
Endrin 500 µg/ml
Heptachlor 200 µg/ml
Lindane 200 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13698.0001	1 ml	AMP

Combined surrogate standards mixture (6C) standard solution — CL40.13702

EPA METHOD 8250A,8270C, CLP Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

2-Fluorobiphenyl 1000 µg/ml
2-Fluorophenol 2000 µg/ml
Nitrobenzene-d5 1000 µg/ml
Phenol-d6 2000 µg/ml
p-Terphenyl-d14 1000 µg/ml
2,4,6-Tribromophenol 2000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13702.0001	1 ml	AMP

Acids matrix spiking mixtures (5C) standard solution — CL40.13687

EPA METHOD 8250A/8270C, CLP Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

4-Chloro-3-methylphenol
2-Chlorophenol
4-Nitrophenol
Pentachlorophenol
Phenol

Art. Nr.	Pack	Pack Type
CL40.13687.0001	1 ml	AMP

Purgeables matrix spiking mixtures (5C) standard solution — CL40.13666

EPA METHOD 8240B/8260A/8260B, 8250A/8270C, CLP, 5035A Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene
Chlorobenzene
1,1-Dichloroethene
Toluene
Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13666.0001	1 ml	AMP

Mixture #3 - hazardous substances (4C) standard solution — CL40.13697

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Benzoic acid
- 2-Methylphenol
- 4-Methylphenol
- 2.4.5-Trichlorophenol

HNrs H351
PNrs P281-P308 + P313

WARNING.

Art. Nr.	Pack	Pack Type
CL40.13697.0001	1 ml	AMP

Tuning standards mixture (4C) standard solution — CL40.13600

EPA METHOD 625, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Benzidine
- 4.4'-DDT
- Decafluorotriphenylphosphine
- Pentachlorophenol

HNrs H351
PNrs P281-P308 + P313

WARNING.

Art. Nr.	Pack	Pack Type
CL40.13600.0001	1 ml	AMP

System performance check mixture (4C) standard solution — CL40.13700

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

- 2,4-Dinitrophenol
- Hexachlorocyclopentadiene
- 4-Nitrophenol
- N-Nitrosodi-n-propylamine

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13700.0001	1 ml	AMP

Base neutrals surrogate standards mixtures (3C) standard solution — CL40.13645

EPA METHOD 8090, 8110, 8120A, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- 2-Fluorobiphenyl
- Nitrobenzene-D5
- p-Terphenyl-D14

HNrs H351
PNrs P281-P308 + P313

WARNING.

Art. Nr.	Pack	Pack Type
CL40.13645.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Acids surrogate standards mixtures (3C) standard solution — CL40.13701

EPA METHOD 8250A/8270C, CLP Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

2-Fluorophenol
Phenol-d6
2,4,6-Tribromophenol

Art. Nr.	Pack	Pack Type
CL40.13701.0001	1 ml	AMP

Benzidines mixture (2C) standard solution — CL40.13567

EPA METHOD 605, 625/1625, 8270C, CLP Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzidine
3,3-Dichlorobenzidine

Art. Nr.	Pack	Pack Type
CL40.13567.0001	1 ml	AMP

PAH - high concentration mixture (2C) standard solution — CL40.13696

EPA METHOD 8270C Solution contains 2000 µg/ml in Dichloromethane/Benzene(1/1)

Density 0.88 g/ml
HS Nr 38220000

UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II

7,12-Dimethylbenz[a]anthracene
3-Methylcholanthrene

Art. Nr.	Pack	Pack Type
CL40.13696.0001	1 ml	AMP

Semivolatiles mixture #7 (2C) standard solution — CL40.13677

EPA METHOD 8250A/8270C Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

Ethyl methanesulfonate
Methyl methanesulfonate

Art. Nr.	Pack	Pack Type
CL40.13677.0001	1 ml	AMP

EPA Method 8270C
Determination of Semivolatile Organic Compounds (GC/MS)

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

- 4,4'-DDT
- Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

EPA Method 8275A
Determination of Semivolatile Organic Compounds (GC/MS)

Semivolatile organic compounds stock solution PAH-standard mix (20C) standard solution — CL40.13707

EPA METHOD 8275A — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Acenaphthene
- Acenaphthylene
- Anthracene
- 1.2-Benzanthracene
- Benzo(b)fluoranthene
- 1.12-Benzoperylene
- Benzo(k)fluoranthene
- 4-Bromophenyl phenyl ether
- 1-Chloronaphthalene
- Chrysene
- Dibenzofuran
- 1.2:5.6-Dibenzanthracene
- Dibenzothiophene
- Fluoranthene
- Fluorene
- Hexachlorobenzene
- Indeno(1.2.3-C.D)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

Art. Nr.	Pack	Pack Type
CL40.13707.0001	1 ml	AMP

Internal standard solution (3C) — CL40.13709

EPA METHOD 8275A — Solution contains 100 mg/l in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl
- Phenanthrene-d10
- 1.12-Benzoperylene (13C12)

Art. Nr.	Pack	Pack Type
CL40.13709.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

EPA Method 8310
Determination of Polynuclear Aromatic Hydrocarbons, (HPLC/UV or Fluorescence Detectors)

Polynuclear aromatic hydrocarbons (PAH) (16C) standard solution — CL40.13575

EPA METHOD 610, 8100, 8270C, 8310, CLP — Solution contains 200 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H319-H340-H350-H372-H412
PNrs P201-P210-P273-P301 + P310-P308 + P313-P331

DANGER.

- Acenaphthene
- Acenaphthylene
- Anthracene
- 1,2-Benzanthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1,12-Benzoperylene
- Benzo(a)pyrene
- Chrysene
- 1,2:5,6-Dibenzanthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-C,D)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

Art. Nr.	Pack	Pack Type
CL40.13575.0001	1 ml	AMP

EPA Method 8315A (SW-846)
Determination of Carbonyl Compounds by HPLC

Derivated carbonyl compounds mixture (Option #2) (15C) standard solution — CL40.13711

EPA METHOD 8315/8315A — Solution contains 100 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

- Acetaldehyde (DNPH Derivative)
- Acetone (DNPH Derivative)
- Acrolein (DNPH Derivative)
- Benzaldehyde (DNPH Derivative)
- n-Butyraldehyde (DNPH Derivative)
- Crotonaldehyde (DNPH Derivative)
- 2,5-Dimethylbenzaldehyde (DNPH Derivative)
- Formaldehyde (DNPH Derivative)
- Hexaldehyde (DNPH Derivative)
- Isovaleraldehyde (DNPH Derivative)
- Propionaldehyde (DNPH Derivative)
- o-Tolualdehyde (DNPH Derivative)
- m-Tolualdehyde (DNPH Derivative)
- p-Tolualdehyde (DNPH Derivative)
- Valeraldehyde (DNPH Derivative)

Art. Nr.	Pack	Pack Type
CL40.13711.0001	1 ml	AMP

Derivated carbonyl compounds mixture (Option #1) (12C) standard solution — CL40.13710

EPA METHOD 8315/8315A — Solution contains 100 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

- Acetaldehyde (DNPH Derivative)
- n-Butyraldehyde (DNPH Derivative)
- Crotonaldehyde (DNPH Derivative)
- Cyclohexanone (DNPH Derivative)
- Decyl aldehyde (DNPH Derivative)
- Formaldehyde (DNPH Derivative)
- Heptaldehyde (DNPH Derivative)
- Hexaldehyde (DNPH Derivative)
- Nonanal (DNPH Derivative)
- Octyl aldehyde (DNPH Derivative)
- Propionaldehyde (DNPH Derivative)
- Valeraldehyde (DNPH Derivative)

Art. Nr.	Pack	Pack Type
CL40.13710.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8318
Determination of N-methylcarbamates (HPLC)

Carbamate pesticides (10C) standard solution — CL40.13576

EPA METHOD 531.1, 8318 — Solution contains 100 µg/ml in Methyl tert-butyl ether (MTBE)

Density 0.74 g/ml
HS Nr 38220000

UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

Aldicarb
Aldicarb sulfone
Aldicarb sulfoxide
Carbaryl
Carbofuran
3-Hydroxycarbofuran
Methiocarb
Methomyl
Oxamyl
Propoxur (Baygon)

Art. Nr.	Pack	Pack Type
CL40.13576.0001	1 ml	AMP

Laboratory performance check mixture (4C) standard solution — CL40.13551

EPA METHOD 531.1, 8318 — Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Aldicarb sulfoxide 100 µg/ml
BDMC 10 µg/ml
3-Hydroxycarbofuran 2 µg/ml
Methiocarb 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13551.0001	1 ml	AMP

EPA Method 8321
Determination of Solvent Extractable Non-volatile Compounds (HPLC/TSP/MS)

Organophosphorus compounds (14C) standard solution — CL40.13712

EPA METHOD 8321 — Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000

UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Asulam
Famphur
Dibrom
Dichlorvos
Dimethoate
Disulfoton
Dylox®
Fensulfothion
Methomyl
Methyl parathion
Monocrotophos
Phorate
Tributylphosphorotrithioite
Tris(2.3-dibromopropyl) phosphate

Art. Nr.	Pack	Pack Type
CL40.13712.0001	1 ml	AMP

EPA Method 8321
Determination of Solvent Extractable Non-volatile Compounds (HPLC/TSP/MS)

AZO, anthraquinone, and fluorescent brightners dyes (14C) standard solution — CL40.13713

EPA METHOD 8321A/B — Solution contains 1000 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235
DANGER.

Disperse Red 1
Disperse Red 5
Disperse Red 13
Disperse Yellow 5
Disperse Orange 3
Disperse Orange 30
Disperse Brown 1
Solvent Red 3
Solvent Red 23
Disperse Blue 3
Disperse Blue 14
Disperse Red 60
Fluorescent Brightener 61
Fluorescent Brightener 236

Art. Nr.	Pack	Pack Type
CL40.13713.0001	1 ml	AMP

Chlorinated herbicides (10C) standard solution — CL40.13659

EPA METHOD 8150B, 1618, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2,4-D
2,4-DB
Dalapon
Dicamba
Dichlorprop
Dinoseb
4-Chloro-o-tolyloxyacetic acid
Mecoprop
Silvex
2,4,5-T®

Art. Nr.	Pack	Pack Type
CL40.13659.0001	1 ml	AMP

Chlorinated herbicides mixture (10C) standard solution — CL40.13612

EPA METHOD 1618, 8150B, 8321 — Solution contains 100 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
DANGER.

2,4-D
2,4-DB
Dalapon
Dicamba
Dichlorprop
Dinoseb
4-Chloro-o-tolyloxyacetic acid
Mecoprop
Silvex
2,4,5-T®

Art. Nr.	Pack	Pack Type
CL40.13612.0001	1 ml	AMP

EPA Method 8325
Solvent Extractable Nonvolatile Compounds by HPLC/Particle Beam/Mass Spectrometry

Benzidines and nitrogen-containing pesticides (13C) standard solution — CL40.13714

EPA METHOD 8325 — Solution contains stated concentration in Methanol/Acetonitrile (50/50)

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

Benzidine 250 µg/ml
Benzoylprop ethyl 350 µg/ml
Carbaryl 1.000 µg/ml
1-(2-Chlorophenyl)-2-thiourea 750 µg/ml
3.3'-Dichlorobenzidine 250 µg/ml
3.3'-Dimethoxybenzidine 750 µg/ml
3,3'-Dimethylbenzidine 350 µg/ml
Diuron 450 µg/ml
Linuron 1.300 µg/ml
Monuron 400 µg/ml
Rotenone 3.200 µg/ml
Siduron 450 µg/ml
Caffeine 300 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13714.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EPA Method 8330
Determination of Nitroaromatics and Nitramines (HPLC)

Nlitroaromatrics & nitramine intermediate standards mixture #1 (7C) standard solution — CL40.13715

EPA METHOD 8330 — Solution contains 1000 µg/ml in Methanol/Acetonitrile (50/50)

Density 0.781 g/ml
HS Nr 38220000

UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- m-Dinitrobenzene
- 2.4-Dinitrotoluene
- Hexahydro-1,3,5-trinitro-1,3,5-triazine (water added)
- Nitrobenzene
- Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (water added)
- 1.3.5-Trinitrobenzene
- 2.4.6-Trinitrotoluene- 30wt% water

Art. Nr.	Pack	Pack Type
CL40.13715.0001	1 ml	AMP

Nlitroaromatrics & nitramine intermediate standards mixture #2 (5C) standard solution — CL40.13716

EPA METHOD 8330 — Solution contains 1000 µg/ml in Methanol/Acetonitrile (50/50)

Density 0.781 g/ml
HS Nr 38220000

UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2.6-Dinitrotoluene
- o-Nitrotoluene
- m-Nitrotoluene
- p-Nitrotoluene
- Tetryl (water added)

Art. Nr.	Pack	Pack Type
CL40.13716.0001	1 ml	AMP

EPA Method 8430
Determination of Bis(2-Chloroethyl ether) (GC/FT-IR)

Bis(2-chloroethyl)ether and hydrolysis products (5C) standard solution — CL40.13717

EPA METHOD 8430 — Solution contains 1000 mg/l in de-inoized Water

Density 1.00 g/ml
HS Nr 38220000

- Bis(2-chloroethyl)ether
- 2-Chloroethanol
- 2-(2-Chloroethoxy)ethanol
- Diethylene glycol
- Ethylene glycol

Art. Nr.	Pack	Pack Type
CL40.13717.0001	1 ml	AMP

EPA Method 8440
Determination of Total Recoverable Petroleum Hydrocarbons

Total recoverable petroleum hydrocarbons conc.mix (3C) standard solution — CL40.13718

EPA METHOD 8440 — Solution contains stated concentration in Tetrachloroethylene

Density 1.623 g/ml
HS Nr 38220000

UN 1897
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351-H411
PNrs P281-P273-P308 + P313

WARNING.

- Chlorobenzene 10%v/v
- n-Hexadecane 15%v/v
- Isooctane 15%v/v

Art. Nr.	Pack	Pack Type
CL40.13718.0001	1 ml	AMP

EPA Method 8440
Determination of Total Recoverable Petroleum Hydrocarbons

TRPH total recovery mix (3C) standard solution — CL40.13719

EPA METHOD 8440 — Solution contains stated concentration in Tetrachloroethylene

Density 1.623 g/ml
HS Nr 38220000

UN 1897
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351-H411
PNrs P281-P273-P308 + P313

WARNING.

- Chlorobenzene 0.10%v/v
- n-Hexadecane 0.15%v/v
- Isooctane 0.15%v/v

Art. Nr.	Pack	Pack Type
CL40.13719.0001	1 ml	AMP

Certificate of Analysis
IONEX Reference Standard

Art. Nr. : CL40.13502 *Lot Nr. :* 25.0670606

Volatile organic compounds (60C) standard solution

Certification and Traceability: This standard solution was prepared to the certified concentrations shown below by method BM001. They are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by GC-MS.

Uncertainty: The maximum reported relative expanded uncertainty for each component is ± 3% and is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with GUM and EA-4/02.

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Benzene	71-43-2	99,9	24.0090401	200 µg/mL
Bromobenzene	108-86-1	99,9	22.1270810	200 µg/mL
Bromochloromethane	74-97-5	99,9	24.0100401	200 µg/mL
Bromodichloromethane	75-27-4	99,9	24.0110401	200 µg/mL
Bromoform	75-25-2	99,9	22.1280810	200 µg/mL
n-Butyl benzene	104-51-8	99,9	22.1290810	200 µg/mL
sec-Butyl benzene	135-98-8	99,9	22.1300810	200 µg/mL
tert-Butyl benzene	98-06-6	99,9	22.1310810	200 µg/mL
Carbon tetrachloride	56-23-5	99,9	22.1330810	200 µg/mL
Chlorobenzene	108-90-7	99,9	24.0120401	200 µg/mL
Chlorodibromomethane	124-48-1	99,9	22.1340810	200 µg/mL
Chloroethane	75-00-3	99,9	22.4731710	200 µg/mL
Chloroform	67-66-3	99,9	24.0130401	200 µg/mL
2-Chlorotoluene	95-49-8	99,9	22.1360810	200 µg/mL
4-Chlorotoluene	106-43-4	99,9	22.1370810	200 µg/mL
1,2-Dibromo-3-chloropropane	96-12-8	99,9	22.1390810	200 µg/mL
1,2-Dibromoethane	106-93-4	99,9	22.1400810	200 µg/mL
Dibromomethane	74-95-3	99,9	24.0140401	200 µg/mL
1,2-Dichlorobenzene	95-50-1	99,9	24.0150401	200 µg/mL
1,3-Dichlorobenzene	541-73-1	99,9	22.1420810	200 µg/mL
1,4-Dichlorobenzene	106-46-7	99,9	1269954	200 µg/mL
Dichlorodifluoromethane	75-71-8	99,9	215121069	200 µg/mL
1,1-Dichloroethane	75-34-3	99,9	24.0160401	200 µg/mL
1,2-Dichloroethane	107-06-2	99,9	24.0170401	200 µg/mL
1,1-Dichloroethene	75-35-4	99,9	24.4522103	200 µg/mL
cis-1,2-Dichloroethene	156-59-2	99,9	24.0180401	200 µg/mL
trans-1,2-Dichloroethene	156-60-5	99,9	24.5682403	200 µg/mL
1,2-Dichloropropane	78-87-5	99,9	22.1440810	200 µg/mL
1,3-Dichloropropane	142-28-9	99,9	22.1450810	200 µg/mL
2,2-Dichloropropane	594-20-7	99,9	24.0190401	200 µg/mL
1,1-Dichloropropene	563-58-6	99,9	NT055938	200 µg/mL
cis-1,3-Dichloropropene	10061-01-5	99,9	23.0530610	200 µg/mL
trans-1,3-Dichloropropene	10061-02-6	99,9	23.0540610	200 µg/mL
Ethylbenzene	100-41-4	99,9	24.0200401	200 µg/mL
Hexachloro-1,3-butadiene	87-68-3	99,9	24.4402211	200 µg/mL

Page 1 of 2

Specifications:

Component	CAS Nr	% Pur.	Lot Nr	True Value
Isopropyl benzene	98-82-8	99,9	24.0220401	200 µg/mL
p-Isopropyl toluene	99-87-6	99,9	22.1460810	200 µg/mL
Methyl bromide	74-83-9	99,9	22.1470810	200 µg/mL
Methyl chloride	74-87-3	99,9	22.1480810	200 µg/mL
Methylene chloride	75-09-2	99,9	22.2041010	200 µg/mL
Naphthalene	91-20-3	99,9	S4581146	200 µg/mL
n-Propyl benzene	103-65-1	99,9	22.1490810	200 µg/mL
Styrene	100-42-5	99,9	20.1912004	200 µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	99,9	24.0230401	200 µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	99,9	24.0240401	200 µg/mL
Tetrachloroethene	127-18-4	99,9	24.0250401	200 µg/mL
Toluene	108-88-3	99,9	24.0260401	200 µg/mL
1,2,3-Trichlorobenzene	87-61-6	99,9	S34007	200 µg/mL
1,2,4-Trichlorobenzene	120-82-1	99,9	24.0270401	200 µg/mL
1,1,1-Trichloroethane	71-55-6	99,9	23.5072611	200 µg/mL
1,1,2-Trichloroethane	79-00-5	99,9	22.1500810	200 µg/mL
Trichloroethene	79-01-6	99,9	24.0280401	200 µg/mL
Trichlorofluoromethane	75-69-4	99,9	22.1510810	200 µg/mL
1,2,3-Trichloropropane	96-18-4	99,9	24.0290401	200 µg/mL
1,2,4-Trimethylbenzene	95-63-6	99,9	22.1520810	200 µg/mL
1,3,5-Trimethylbenzene	108-67-8	99,9	22.1530810	200 µg/mL
Vinyl chloride	75-01-4	99,9	24.4512103	200 µg/mL
o-Xylene	95-47-6	99,9	24.0300401	200 µg/mL
m-Xylene	108-38-3	99,9	24.0310401	200 µg/mL
p-Xylene	106-42-3	99,9	24.0320401	200 µg/mL

Quality Managment System:

Our Ionex(R) Reference Standards have been prepared and certified under our ISO9001 Quality System in accordance to the principles of the following guides:

Guide to the Expression of Uncertainty in Measurment	GUM: 1995
Reference Materials - Contents of certificates and labels	ISO Guide 31: 2000
General requirements for the competence of calibration laboratories	ISO / IEC 17025:

Chemist: Luis Bianchi

Date of release: 06 June 2017
Expires: Jun-2019

CHEM LAB NV
Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM
Tel.: +32 50 28 83 20 Fax.: +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

Page 2 of 2

F006-Organic-3/02/17

2.3.6

2 Organic Standards

2.3 Organic Multi Component Standards

2.3.6 Contract Laboratory Program (CLP)

CLP volatiles mixture #3 (13C) standard solution — CL40.13705

EPA METHOD 8265, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Trichloroethene
Chlorobenzene	m-Xylene
1,1-Dichloroethene	p-Xylene
cis-1.2-Dichloroethene	
trans-1.2-Dichloroethene	
cis-1.3-Dichloropropene	
trans-1.3-Dichloropropene	
Ethylbenzene	
Tetrachloroethene	
Toluene	

Art. Nr.	Pack	Pack Type
CL40.13705.0001	1 ml	AMP

CLP volatiles mixture #3 (13C) standard solution — CL40.13727

CLP VOLATILES — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Benzene	Trichloroethene
Chlorobenzene	m-Xylene
1,1-Dichloroethene	p-Xylene
cis-1.2-Dichloroethene	
trans-1.2-Dichloroethene	
cis-1.3-Dichloropropene	
trans-1.3-Dichloropropene	
Ethylbenzene	
Tetrachloroethene	
Toluene	

Art. Nr.	Pack	Pack Type
CL40.13727.0001	1 ml	AMP

CLP volatiles mixture #2 (12C) standard solution — CL40.13704

EPA METHOD 8265, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromodichloromethane	1.1.1-Trichloroethane
Bromoform	1.1.2-Trichloroethane
Carbon tetrachloride	
Chlorodibromomethane	
Chloroform	
1.1-Dichloroethane	
1.2-Dichloroethane	
1.2-Dichloropropane	
Methylenechloride	
1.1.2.2-Tetrachloroethane	

Art. Nr.	Pack	Pack Type
CL40.13704.0001	1 ml	AMP

CLP volatiles mixture #2 (12C) standard solution — CL40.13726

CLP VOLATILES — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Bromodichloromethane	1.1.1-Trichloroethane
Bromoform	1.1.2-Trichloroethane
Carbon tetrachloride	
Chlorodibromomethane	
Chloroform	
1.1-Dichloroethane	
1.2-Dichloroethane	
1.2-Dichloropropane	
Methylene chloride	
1.1.2.2-Tetrachloroethane	

Art. Nr.	Pack	Pack Type
CL40.13726.0001	1 ml	AMP

BTEX & MTBE mixture (7C) standard solution — CL40.13511

EPA METHOD 502/524, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- tert-Butyl methyl ether
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

Art. Nr.	Pack	Pack Type
CL40.13511.0001	1 ml	AMP

Hazardous substance lis (HSL) volatiles standard mixture (7C) standard solution — CL40.13706

EPA METHOD 8265, CLP — Solution contains 200 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetone
- 2-Butanone
- Carbon disulfide
- 2-Hexanone
- 4-Methyl-2-pentanone
- Styrene
- o-Xylene

Art. Nr.	Pack	Pack Type
CL40.13706.0001	1 ml	AMP

Hazardous substance lis (HSL) volatiles standard mixture (7C) standard solution — CL40.13728

CLP VOLATILES — Solution contains 200 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetone
- 2-Butanone
- Carbon disulfide
- 2-Hexanone
- 4-Methyl-2-pentanone
- Styrene
- o-Xylene

Art. Nr.	Pack	Pack Type
CL40.13728.0001	1 ml	AMP

Volatiles calibration check mixture (6C) standard solution — CL40.13669

EPA METHOD 8240B/8260A/8260B, CLP, 5035A — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Chloroform
- 1,2-Dichloropropane
- 1,1-Dichloroethene
- Ethylbenzene
- Toluene
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13669.0001	1 ml	AMP

Combined purgeable internal & surrogate standards mixture (6C) standard solution — CL40.13664

EPA METHOD 8240B, CLP, 5035A — Solution contains 2500 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Bromochloromethane
- 4-Bromofluorobenzene
- Chlorobenzene-d5
- 1,2-Dichloroethane-d4
- 1,4-Difluorobenzene
- Toluene-d8

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13664.0001	1 ml	AMP

BTEX mixtures (6C) standard solution — NEW — CL40.13767

EPA METHOD 502/524, 8020B, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13767.0001	1 ml	AMP
CL40.13767.0005	5 ml	AMP

BTEX mixtures (6C) standard solution — CL40.13510

EPA METHOD 502/524, 8020B, CLP — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Benzene
- Ethylbenzene
- Toluene
- o-Xylene
- m-Xylene
- p-Xylene

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13510.0001	1 ml	AMP

Volatiles system performance mixture (5C) standard solution — CL40.13668

EPA METHOD 8240B/8260A/8260B, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

- Bromoform
- Chlorobenzene
- 1,1-Dichloroethane
- Methyl chloride
- 1,1,2,2-Tetrachloroethane

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13668.0001	1 ml	AMP

Purgeables matrix spiking mixtures (5C) standard solution — CL40.13666

EPA METHOD 8240B/8260A/8260B, 8250A/8270C, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzene
- Chlorobenzene
- 1,1-Dichloroethene
- Toluene
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13666.0001	1 ml	AMP

TCL ketones mixture (4C) standard solution — CL40.13730

CLP VOLATILES — Solution contains 2000 µg/ml in Methanol/Water (90/10)

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Acetone
- 2-Butanone
- 2-Hexanone
- 4-Methyl-2-pentanone

Art. Nr.	Pack	Pack Type
CL40.13730.0001	1 ml	AMP

Purgeables mixture C (4C) standard solution — CL40.13595

EPA METHOD 624/1624, CLP — Solution contains 200 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Methyl bromide
- Chloroethane
- Methyl chloride
- Vinyl chloride

Art. Nr.	Pack	Pack Type
CL40.13595.0001	1 ml	AMP

Purgeables surrogate standards mixtures (3C) standard solution — CL40.13663

EPA METHOD 8240B, 5041, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Bromofluorobenzene
- 1,2-Dichloroethane-d4
- Toluene-d8

Art. Nr.	Pack	Pack Type
CL40.13663.0001	1 ml	AMP

CLP VOLATILES (Contact Laboratory Program)

Purgeables internal standards mixtures (3C) standard solution — CL40.13621

EPA METHOD 1666, 8240B, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Bromochloromethane
- Chlorobenzene-d5
- 1,4-Difluorobenzene

Art. Nr.	Pack	Pack Type
CL40.13621.0001	1 ml	AMP

CLP SEMI-VOLATILES (Contact Laboratory Program)

Base neutrals extractables mixture (44C) standard solution — CL40.13596

EPA METHOD 625/1625, 8270C, CLP — Solution contains 100 µg/ml in Benzene/Dichloromethane/Acetonitrile (4/4/2)

Density 0.88 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H332-H312-H302-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

- Acenaphthene
- Acenaphthylene
- Anthracene
- Azobenzene
- 1.2-Benzanthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- 1.12-Benzoperylene
- Benzo(a)pyrene
- Bis(2-chloroethyl)ether
- Bis(2-chloroethoxy)methane
- Bis(2-ethylhexyl)phthalate
- Bis(2-chloroisopropyl)ether
- 4-Bromophenyl phenyl ether
- Butyl benzyl phthalate
- 2-Chloronaphthalene
- 4-Chlorophenyl phenyl ether
- Chrysene
- 1.2:5.6-Dibenzanthracene
- Di-n-butyl phthalate
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- Diethyl phthalate
- Dimethyl phthalate
- 2.4-Dinitrotoluene
- 2.6-Dinitrotoluene
- Di-n-octyl phthalate
- Fluoranthene
- Fluorene
- Hexachlorobenzene
- Hexachloro-1.3-butadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1.2.3-C.D)pyrene
- Isophorone
- Naphthalene
- Nitrobenzene
- N-Nitrosodimethylamine
- N-Nitrosodi-n-propylamine
- N-Nitrosodiphenylamine
- Phenanthrene
- Pyrene
- 1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13596.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- Arochlor 1242
- Arochlor 1254
- Arochlor 1221
- Arochlor 1232
- Arochlor 1248
- Arochlor 1260
- Arochlor 1016
- a-BHC
- b-BHC
- d-BHC
- Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Lindane (g-BHC)
- Methoxychlor
- Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Acids mixture (17C) standard solution — CL40.13681

EPA METHOD 8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313
WARNING.

- Benzoic acid
- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- 2.4-Dichlorophenol
- 2.6-Dichlorophenol
- 2.4-Dimethylphenol
- 4.6-Dinitro-o-cresol
- 2.4-Dinitrophenol
- 2-Methylphenol
- 4-Methylphenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2.4.5-Trichlorophenol
- 2.4.6-Trichlorophenol
- 2.3.4.6-Tetrachlorophenol

Art. Nr.	Pack	Pack Type
CL40.13681.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution — CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Polynuclear aromatic hydrocarbons (PAH) (16C) standard solution — CL40.13575

EPA METHOD 610, 8100, 8270C, 8310, CLP — Solution contains 200 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H319-H340-H350-H372-H412
PNrs P201-P210-P273-P301 + P310-P308 + P313-P331

DANGER.

Acenaphthene	Fluorene
Acenaphthylene	Indeno(1,2,3-C,D)pyrene
Anthracene	Naphthalene
1,2-Benzanthracene	Phenanthrene
Benzo(b)fluoranthene	Pyrene
Benzo(k)fluoranthene	
1,12-Benzoperylene	
Benzo(a)pyrene	
Chrysene	
1,2:5,6-Dibenzanthracene	
Fluoranthene	

Art. Nr.	Pack	Pack Type
CL40.13575.0001	1 ml	AMP

Mixture #6 - polynuclear aromatic hydrocarbons (16C) standard solution — CL40.13732

CLP SEMIVOLATILES — Solution contains 2000 µg/ml in Dichloromethane/Benzene (1/1)

Density 0.88 g/ml
HS Nr 38220000
UN 1114
ADR 3,II
IATA 3,II
IMDG 3,II

Acenaphthene	Fluoranthene
Acenaphthylene	Fluorene
Anthracene	Indeno(1.2.3-C.D)pyrene
1.2-Benzanthracene	Naphthalene
Benzo(b)fluoranthene	Phenanthrene
Benzo(k)fluoranthene	Pyrene
1.12-Benzoperylene	
Benzo(a)pyrene	
Chrysene	
1.2:5.6-Dibenzanthracene	

Art. Nr.	Pack	Pack Type
CL40.13732.0001	1 ml	AMP

Mixture #5 - pesticides (16C) standard solution — CL40.13731

CLP SEMIVOLATILES — Solution contains 2000 µg/ml in Toluene/n-Hexane (50/50)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Aldrin®	Endosulfan sulfate
BHC (alpha isomer)	Endrin
BHC (beta isomer)	Endrin aldehyde
BHC (delta isomer)	Heptachlor
4.4'-DDD	Heptachlor epoxide isomer B
4.4'-DDE	Lindane (BHC gamma isomer)
4.4'-DDT	
Dieldrin	
a-Endosulfan	
b-Endosulfan	

Art. Nr.	Pack	Pack Type
CL40.13731.0001	1 ml	AMP

Phenols calibration mixture #1 (14C) standard solution — CL40.13743

CLP QUICK TURNAROUND METHOD - PHENOL — Solution contains 2500 µg/ml in Acetonitrile

Density 0.781 g/ml
HS Nr 38220000
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

4-Chloro-3-methylphenol	Pentachlorophenol
2-Chlorophenol	Phenol
m-Cresol	2.3.4.6-Tetrachlorophenol
2.4-Dichlorophenol	2.4.6-Trichlorophenol
2.4-Dimethylphenol	
4.6-Dinitro-o-cresol	
2.4-Dinitrophenol	
2-Methylphenol	
2-Nitrophenol	
4-Nitrophenol	

Art. Nr.	Pack	Pack Type
CL40.13743.0001	1 ml	AMP

Mixture #1-base neutrals (14C) standard solution — CL40.13691

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Bis(2-chloroethoxy)methane
- Bis(2-chloroethyl)ether
- Bis(2-chloroisopropyl)ether
- Bis(2-ethylhexyl)phthalate
- 4-Bromophenyl phenyl ether
- Butyl benzyl phthalate
- 4-Chlorophenyl phenyl ether
- Di-n-butyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-octyl phthalate
- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-n-propylamine

Art. Nr.	Pack	Pack Type
CL40.13691.0001	1 ml	AMP

Mixture #2-base-neutrals (14C) standard solution — CL40.13693

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Azobenzene
- 2-Chloronaphthalene
- 1.2-Dichlorobenzene
- 1.3-Dichlorobenzene
- 1.4-Dichlorobenzene
- 2.4-Dinitrotoluene
- 2.6-Dinitrotoluene
- Hexachlorobenzene
- Hexachloro-1.3-butadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Isophorone
- Nitrobenzene
- 1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13693.0001	1 ml	AMP

mixture #9 - phenols (11C) standard solution — CL40.13733

CLP SEMIVOLATILES — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- 2.4-Dichlorophenol
- 2.4-Dimethylphenol
- 4.6-Dinitro-o-cresol
- 2.4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2.4.6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13733.0001	1 ml	AMP

Special combined matrix spiking mixture (11C) standard solution — CL40.13689

EPA METHOD 8250A/8270C, CLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene 1000 µg/ml
- 4-Chloro-3-methylphenol 2000 µg/ml
- 2-Chlorophenol 2000 µg/ml
- 1.4-Dichlorobenzene 1000 µg/ml
- 2.4-Dinitrotoluene 1000 µg/ml
- 4-Nitrophenol 2000 µg/ml
- N-Nitrosodi-n-propylamine 1000 µg/ml
- Pentachlorophenol 2000 µg/ml
- Phenol 2000 µg/ml
- Pyrene 1000 µg/ml
- 1.2.4-Trichlorobenzene 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13689.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CLP SEMI-VOLATILES (Contact Laboratory Program)

Combined acids & base neutrals matrix spiking mixture (11C) standard solution — CL40.13688

EPA METHOD 8250A/8270C, CLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Acenaphthene 1000 µg/ml
4-Chloro-3-methylphenol 1500 µg/ml
2-Chlorophenol 1500 µg/ml
1.4-Dichlorobenzene 1000 µg/ml
2.4-Dinitrotoluene 1000 µg/ml
4-Nitrophenol 1500 µg/ml
N-Nitrosodi-n-propylamine 1000 µg/ml
Pentachlorophenol 1500 µg/ml
Phenol 1500 µg/ml
Pyrene 1000 µg/ml
1.2.4-Trichlorobenzene 1000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13688.0001	1 ml	AMP

Semi-volatiles supplement mixture (10C) standard solution — CL40.13682

EPA METHOD 8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Aniline
Benzyl alcohol
Carbazole
4-Chloroaniline
Dibenzofuran
2-Methylnaphthalene
o-Nitroaniline
m-Nitroaniline
p-Nitroaniline
Pyridine

Art. Nr.	Pack	Pack Type
CL40.13682.0001	1 ml	AMP

Combined surrogate standards spiking mixture (8C) standard solution — CL40.13736

CLP SEMIVOLATILES — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

2-Chlorophenol-d4 1500 µg/ml
1,2-Dichlorobenzene-d4 1000 µg/ml
2-Fluorobiphenyl 1000 µg/ml
2-Fluorophenol 1500 µg/ml
Phenol-d6 1500 µg/ml
Nitrobenzene-d5 1000 µg/ml
p-Terphenyl-d14 1000 µg/ml
2,4,6-Tribromophenol 1500 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13736.0001	1 ml	AMP

Mixture #4 - hazardous substances (8C) standard solution — CL40.13699

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

Aniline
Benzyl alcohol
4-Chloroaniline
Dibenzofuran
2-Methylnaphthalene
o-Nitroaniline
m-Nitroaniline
p-Nitroaniline

Art. Nr.	Pack	Pack Type
CL40.13699.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Control sample mixture (8C) standard solution — CL40.13742

CLP QUICK TURNAROUND METHOD - PAH — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene 250 µg/ml
- Anthracene 210 µg/ml
- Chrysene 360 µg/ml
- Fluoranthene 250 µg/ml
- Fluorene 290 µg/ml
- Naphthalene 380 µg/ml
- Phenanthrene 310 µg/ml
- Pyrene 160 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13742.0001	1 ml	AMP

Base neutrals calibration check mixture (7C) standard solution — CL40.13692

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene
- Benzo(a)pyrene
- 1.4-Dichlorobenzene
- Di-n-octyl phthalate
- Fluoranthene
- Hexachloro-1.3-butadiene
- N-Nitrosodiphenylamine

Art. Nr.	Pack	Pack Type
CL40.13692.0001	1 ml	AMP

Base neutrals spiking mixture (7C) standard solution — CL40.13685

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene
- Di-n-butyl phthalate
- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- N-Nitroso-di-n-propylamine
- Pyrene
- 1,2,4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13685.0001	1 ml	AMP

Mixture #8-internal standards (6C) standard solution — CL40.13703

EPA METHOD 8250A/8270C, CLP — Solution contains 4000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
HNrs H351
PNrs P281-P308 + P313
WARNING.

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

- Acenaphthene-d10
- Chrysene-d12
- 1.4-Dichlorobenzene-d4
- Naphthalene-d8
- Perylene-d12
- Phenanthrene-d10

Art. Nr.	Pack	Pack Type
CL40.13703.0001	1 ml	AMP

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Acids calibration check mixture (6C) standard solution — CL40.13690

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methylphenol
- 2.4-Dichlorophenol
- 2-Nitrophenol
- Phenol
- Pentachlorophenol
- 2.4.6-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13690.0001	1 ml	AMP

Combined surrogate standards mixture (6C) standard solution — CL40.13702

EPA METHOD 8250A,8270C, CLP — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl 1000 µg/ml
- 2-Fluorophenol 2000 µg/ml
- Nitrobenzene-d5 1000 µg/ml
- Phenol-d6 2000 µg/ml
- p-Terphenyl-d14 1000 µg/ml
- 2,4,6-Tribromophenol 2000 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13702.0001	1 ml	AMP

Base neutrals matrix spiking mixtures #A (6C) standard solution — CL40.13694

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313

WARNING.

- Acenaphthene
- 1.4-Dichlorobenzene
- 2.4-Dinitrotoluene
- N-Nitrosodi-n-propylamine
- Pyrene
- 1.2.4-Trichlorobenzene

Art. Nr.	Pack	Pack Type
CL40.13694.0001	1 ml	AMP

Acids matrix spiking mixtures (5C) standard solution — CL40.13687

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol

Art. Nr.	Pack	Pack Type
CL40.13687.0001	1 ml	AMP

GPC calibration check mixture (5C) standard solution — CL40.13734

CLP SEMIVOLATILES — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

- Bis(2-ethylhexyl)phthalate 500 µg/ml
- Corn oil 25,000 µg/ml
- Methoxychlor 100 µg/ml
- Perylene 20 µg/ml
- Sulfur 80 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13734.0001	1 ml	AMP

Purgeables matrix spiking mixtures (5C) standard solution — CL40.13666

EPA METHOD 8240B/8260A/8260B, 8250A/8270C, CLP, 5035A — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

- Benzene
- Chlorobenzene
- 1,1-Dichloroethene
- Toluene
- Trichloroethene

Art. Nr.	Pack	Pack Type
CL40.13666.0001	1 ml	AMP

System performance check mixture (4C) standard solution — CL40.13700

EPA METHOD 8250A/8270C, CLP — Solution contains 1000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310
DANGER.

- 2,4-Dinitrophenol
- Hexachlorocyclopentadiene
- 4-Nitrophenol
- N-Nitrosodi-n-propylamine

Art. Nr.	Pack	Pack Type
CL40.13700.0001	1 ml	AMP

Tuning standards mixture (4C) standard solution — CL40.13600

EPA METHOD 625, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351
PNrs P281-P308 + P313
WARNING.

- Benzidine
- 4.4'-DDT
- Decafluorotriphenylphosphine
- Pentachlorophenol

Art. Nr.	Pack	Pack Type
CL40.13600.0001	1 ml	AMP

Mixture #3 - hazardous substances (4C) standard solution — CL40.13697

EPA METHOD 8270C, CLP — Solution contains 2000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Benzoic acid
- 2-Methylphenol
- 4-Methylphenol
- 2.4.5-Trichlorophenol

Art. Nr.	Pack	Pack Type
CL40.13697.0001	1 ml	AMP

Acids surrogate standards mixtures #A (4C) standard solution — CL40.13735

CLP SEMIVOLATILES — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Chlorophenol-d4
- 2-Fluorophenol
- Phenol-d6
- 2,4,6-Tribromophenol

Art. Nr.	Pack	Pack Type
CL40.13735.0001	1 ml	AMP

Acids surrogate standards mixtures (3C) standard solution — CL40.13701

EPA METHOD 8250A/8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- 2-Fluorophenol
- Phenol-d6
- 2,4,6-Tribromophenol

Art. Nr.	Pack	Pack Type
CL40.13701.0001	1 ml	AMP

Base neutrals surrogate standards mixtures (3C) standard solution — CL40.13645

EPA METHOD 8090, 8110, 8120A, 8250A/8270C, CLP — Solution contains 1000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- 2-Fluorobiphenyl
- Nitrobenzene-D5
- p-Terphenyl-D14

Art. Nr.	Pack	Pack Type
CL40.13645.0001	1 ml	AMP

CLP SEMI-VOLATILES (Contact Laboratory Program)

Degradation calibaration mixture (2C) standard solution — CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP — Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

- 4,4'-DDT
- Endrin

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

Benzidines mixture (2C) standard solution — CL40.13567

EPA METHOD 605, 625/1625, 8270C, CLP — Solution contains 2000 µg/ml in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

- Benzidine
- 3,3-Dichlorobenzidine

Art. Nr.	Pack	Pack Type
CL40.13567.0001	1 ml	AMP

CLP PESTICIDES (Contact Laboratory Program)

Organochlorine pesticides (26C) standard solution — CL40.13572

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 100 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- Arochlor 1242
- Arochlor 1254
- Arochlor 1221
- Arochlor 1232
- Arochlor 1248
- Arochlor 1260
- Arochlor 1016
- a-BHC
- b-BHC
- d-BHC
- Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- a-Endosulfan
- b-Endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Lindane (g-BHC)
- Methoxychlor
- Toxaphene®

Art. Nr.	Pack	Pack Type
CL40.13572.0001	1 ml	AMP

Organochlorine pesticides mixtures (17C) standard solution

CL40.13571

EPA METHOD 608, 625, 8080A/8081, 8250A/8270C, CLP — Solution contains 20 µg/ml in Toluene/n-Hexane (1/1)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin®
- BHC (alpha isomer)
- BHC (beta isomer)
- BHC (delta isomer)
- Lindane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Methoxychlor

Art. Nr.	Pack	Pack Type
CL40.13571.0001	1 ml	AMP

Pesticides standard mixture B (13C) standard solution

CL40.13739

CLP PESTICIDES — Solution contains stated concentration in Toluene/n-Hexane (50/50)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Aldrin® 100 µg/ml
- BHC (beta isomer) 100 µg/ml
- BHC (delta isomer) 100 µg/ml
- cis-Chlordane 100 µg/ml
- trans-Chlordane 100 µg/ml
- 4.4'-DDE 200 µg/ml
- Decachlorobiphenyl 200 µg/ml
- b-Endosulfan 200 µg/ml
- Endosulfan sulfate 200 µg/ml
- Endrin aldehyde 200 µg/ml
- Endrin ketone 200 µg/ml
- Heptachlor epoxide 100 µg/ml
- 2,4,5,6-Tetrachloro-m-xylene 100 ug /mL

Art. Nr.	Pack	Pack Type
CL40.13739.0001	1 ml	AMP

Pesticides standard mixture A (11C) standard solution

CL40.13738

CLP PESTICIDES — Solution contains stated concentration in n-Hexane

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H361-H373-H315-H336-H411

PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- BHC (alpha isomer) 100 µg/ml
- 4.4'-DDD 200 µg/ml
- 4.4'-DDT 200 µg/ml
- Decachlorobiphenyl 200 µg/ml
- Dieldrin 200 µg/ml
- a-Endosulfan 100 µg/ml
- Endrin 200 µg/ml
- Heptachlor 100 µg/ml
- Lindane (BHC gamma isomer) 100 µg/ml
- Methoxychlor 1000 µg/ml
- 2,4,5,6-Tetrachloro-m-xylene 100 ug /mL

Art. Nr.	Pack	Pack Type
CL40.13738.0001	1 ml	AMP

Pesticide resolution check mixture mixture (9C) standard solution

CL40.13741

CLP PESTICIDES — Solution contains stated concentration in n-Hexane

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H361-H373-H315-H336-H411

PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- trans-Chlordane 10 µg/ml
- 4.4'-DDE 20 µg/ml
- Decachlorobiphenyl 20 µg/ml
- Dieldrin 20 µg/ml
- a-Endosulfan 10 µg/ml
- Endosulfan sulfate 20 µg/ml
- Endrin ketone 20 µg/ml
- Methoxychlor 100 µg/ml
- 2,4,5,6-Tetrachloro-m-xylene 20 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13741.0001	1 ml	AMP

GPC calibration check mixture (5C) standard solution — CL40.13740

CLP PESTICIDES — Solution contains stated concentration in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- Bis(2-ethylhexyl)phthalate 500 µg/ml
- Corn oil 25,000 µg/ml
- Methoxychlor 100 µg/ml
- Perylene 20 µg/ml
- Sulfur 80 µg/ml

Art. Nr.	Pack	Pack Type
CL40.13740.0001	1 ml	AMP

Aroclor 1016 & Aroclor 1260 mixture (2C) standard solution — CL40.13737

CLP PESTICIDES — Solution contains 200 µg/ml in n-Hexane

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- Arochlor 1016
- Arochlor 1260

Art. Nr.	Pack	Pack Type
CL40.13737.0001	1 ml	AMP

Surrogate standards mixture #1 (2C) standard solution — CL40.13641

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000

UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- Decachlorobiphenyl
- 2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13641.0001	1 ml	AMP

Surrogate standards mixture #2 (2C) standard solution — CL40.13642

EPA METHOD 8080A/8081/8081A, CLP — Solution contains 2000 µg/ml in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- Dibutyl chlorendate
- 2,4,5,6-Tetrachloro-m-xylene

Art. Nr.	Pack	Pack Type
CL40.13642.0001	1 ml	AMP

Degradation calibaration mixture (2C) standard solution

CL40.13534

EPA METHOD 508/508.1, 525.2, 608, 625, 1618, 1656, 8080A/8081, 8250A/8270C, CLP

Solution contains 1 µg/ml in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

4,4'-DDT
Endrin

DANGER.

Art. Nr.	Pack	Pack Type
CL40.13534.0001	1 ml	AMP

2.3.7

2 Organic Standards

2.3 Organic Multi Component Standards

2.3.7 ISO, USP and pH. Eur. Methods

ISO Method 6468
Certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes -- GC after

Pesticide Mix (19C) standard solution

NEW CL40.13792

High quality standard for ISO 6468 Solution contains 10 µg/mL in n-Hexane

Density 0.66 g/ml **UN** 1208
HS Nr 38220000 **ADR** 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

4,4'-DDD	Lindane (BHC gamma isomer)
4,4'-DDE	Methoxychlor
4,4'-DDT	o,p'-DDD
a-Endosulfan	o,p'-DDE
Aldrin	o,p'-DDT
b-Endosulfan	trans-Heptachlor epoxide
BHC (alpha isomer)	Solvent: n-Hexane
BHC (beta isomer)	
BHC (delta isomer)	
Dieldrin	
Endrin	
Heptachlor	
Heptachlor epoxide (Isomer B)	

Art. Nr.	Pack	Pack Type
CL40.13792.0001	1 ml	AMP

PCB Congener Mixture (7C) standard solution

NEW CL40.13791

High quality standard for ISO 6468 Solution contains 10 µg/mL in n-Hexane

Density 0.66 g/ml **UN** 1208
HS Nr 38220000 **ADR** 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

2,4,4'-Trichlorobiphenyl (PCB 28)
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194)
Solvent: n-Hexane

Art. Nr.	Pack	Pack Type
CL40.13791.0001	1 ml	AMP

ISO Method 9377
Determination of hydrocarbon oil index -- Part 2: Method using solvent extraction and GC

System Performance of n-alkanes (16C) standard solution

NEW CL40.13098

EN-ISO 9377 Solution contains 50 µg/ml in n-Hexane

Density 0.66 g/ml **UN** 1208
HS Nr 38220000 **ADR** 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

n-Decane	n-Dotriacontane
n-Dodecane	n-Tetratriacontane
n-Tetradecane	n-Hexatriacontane
n-Hexadecane	n-Octatriacontane
n-Octadecane	n-Tetracontane
n-Eicosane	
n-Docosane	
n-Tetracosane	
n-Hexacosane	
n-Octacosane	
n-Triacontane	

Art. Nr.	Pack	Pack Type
CL40.13098.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ISO Method 10301
Determination of highly volatile halogenated hydrocarbons -- GC methods

Halogenated VOC Mix (16C) standard solution

NEW CL40.13793

High quality standard for ISO 10301 Solution contains 10 µg/mL in Methanol

Density 0.79 g/ml
HS Nr 38220000

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

1,2-Dichloroethane	Bromodichloromethane
Chlorodibromomethane	1,1-Dichloroethane
Tetrachloroethene	1,2-Dichloropropane
1,3-Dichloropropane	1,1,2-Trichloroethane
1,3-Dichloropropene	Trichloroethene
Carbon tetrachloride	Solvent: Methanol
Chloroform	
1,1,1-Trichloroethane	
Dibromomethane	
Bromochloromethane	
Methylene chloride	

Art. Nr.	Pack	Pack Type
CL40.13793.0001	1 ml	AMP

ISO Method 10695
Determination of selected organic nitrogen and phosphorus compounds -- GC methods

Pesticide Mix (12C) standard solution

NEW CL40.13794

High quality standard for ISO 10695, ISO 11369 Solution contains 10 µg/mL in Acetone

Density 0.791 g/ml
HS Nr 38220000

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Atrazine	Terbuthylazine
Cyanazine (Bladex)	Trifluralin
Metazachlor	Vinclozolin
Methyl parathion	Solvent: Acetone
Parathion	
Pendimethalin	
Propazine	
Sebuthylazin	
Simazine	

Art. Nr.	Pack	Pack Type
CL40.13794.0001	1 ml	AMP

ISO Method 11369
Selected plant treatment agents -- HPLC with UV detection after solid-liquid extraction

Pesticide Mix (17C) standard solution

CL40.13795

High Quality Standard solution for ISO 11369 Solution contains 10 µg/mL in Ethyl acetate

Density 0.90 g/ml
HS Nr 38220000

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

Atrazine	Metoxuron
Atrazine desethyl	Monolinuron
Cyanazine (Bladex)	Sebuthylazin
Chlorotoluron	Simazine
Diuron	Terbuthylazine
Isoproturon	Velpar
Linuron	Solvent: Ethyl acetate
Metazachlor	
Methabenzthiazuron	
Metobromuron	
Metolachlor	

Art. Nr.	Pack	Pack Type
CL40.13795.0001	1 ml	AMP

Chem-Lab's certified "Custom Made Standards" will save you time and money.

ISO Method 11369
Selected plant treatment agents -- HPLC with UV detection after solid-liquid extraction

Pesticide Mix (12C) standard solution

NEW CL40.13794

High quality standard for ISO 10695, ISO 11369 Solution contains 10 µg/mL in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

Atrazine
Cyanazine (Bladex)
Metazachlor
Methyl parathion
Parathion
Pendimethalin
Propazine
Sebuthylazin
Simazine
Terbuthylazine
Trifluralin
Vinclozolin
Solvent: Acetone

Art. Nr.	Pack	Pack Type
CL40.13794.0001	1 ml	AMP

ISO Method 13876
Determination of polychlorinated biphenyls (PCB) by GC-MS and GC-ECD

DUTCH SEVEN Mix PCB (7C) standard solution

NEW CL40.13269

High Quality standard solution for GC ISO 13876, NEN 6980 Solution contains 1000 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

PCB 28
PCB 52
PCB 101
PCB 118
PCB 138
PCB 153
PCB 180

Art. Nr.	Pack	Pack Type
CL40.13269.0001	1 ml	AMP

DUTCH SEVEN Mix PCB (7C) standard solution

NEW CL40.13027

High Quality standard solution for GC ISO 13876, NEN 6980 Solution contains 10 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

PCB 28
PCB 52
PCB 101
PCB 118
PCB 138
PCB 153
PCB 180

Art. Nr.	Pack	Pack Type
CL40.13027.0001	1 ml	AMP
CL40.13027.0010	10 ml	AMP

DUTCH SEVEN Mix PCB (7C) standard solution

NEW CL40.13084

High Quality standard solution for GC ISO 13876, NEN 6980 Solution contains 100 µg/ml in iso-Octane

Density 0.69 g/ml
HS Nr 38220000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

PCB 28
PCB 52
PCB 101
PCB 118
PCB 138
PCB 153
PCB 180

Art. Nr.	Pack	Pack Type
CL40.13084.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ISO Method 15913
Selected phenoxyalkanoic herbicides, including bentazones and hydroxybenzonitriles by GC

Free Acid Pesticide Mix (15C) standard solution

NEW CL40.13796

High quality standard for ISO 15913 Solution contains 10 µg/mL in Acetone

Density 0.791 g/ml
HS Nr 38220000
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

DANGER.

- 3,5-Diiodo-4-hydroxybenzonitrile
- Clopyralid
- Dicamba
- Tetrachloroterephthalic acid
- Picloram
- 2,3,6-Trichlorobenzoic acid
- 4,6-Dinitro-o-cresol
- Triclopyr
- Diclofop acid
- Fluazifop
- Fluroxypyr
- Benazolin
- Imazapyr (TM)
- Pentachlorophenol
- Fenoxaprop

Art. Nr.	Pack	Pack Type
CL40.13796.0001	1 ml	AMP

ISO Method 16703
Determination of content of hydrocarbon in the range C10 to C40 by GC

C8 - C40 + Pristane + Phytane (35C) standard solution

NEW CL40.13160

Hydrocarbon Window Defining Standard EN 14039, ISO 16703 Solution contains 500 µg/ml in Chloroform

Mol.Weight 119.38 g/mol
Density 1.49 g/ml
HS Nr 38220000
UN 1888
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H351-H302-H372-H315-H361-H319-H331
PNrs P302 + P352-P304 + P340-P305 + P351 + P338-P308 + P310

DANGER.

- C8 - Octane
- C9 - Nonane
- C10 - Decane
- C11 - Undecane
- C12- Dodecane
- C13 - Tridecane
- C14 - Tetradecane
- C15 - Pentadecane
- C16 - Hexadecane
- C17 - Heptadecane
- C18 - Octadecane
- C19 - Nonadecane
- C20 - Eicosane
- C21 - Heneicosane
- C22 - Docosane
- C23 - Tricosane
- C24 - Tetracosane
- C25 - Pentacosane
- C26 - Hexacosane
- C27 - Heptacosane
- C28 - Octacosane
- C29 - Nonacosane
- C30 - Triacontane
- C31 - Hentriacontane
- C32 - Dotriacontane
- C33 - Tritriacontane
- C34 - Tetratriacontane
- C35 - Pentatriacontane
- C36 - Hexatriacontane
- C37 - Heptatriacontane
- C38 - Octatriacontane
- C39 - Nonatriacontane
- C40 - Tetracontane
- Pristane
- Phytane

Art. Nr.	Pack	Pack Type
CL40.13160.0001	1 ml	AMP

Alkane Mix 12 (17C) standard solution

CL40.13773

High quality standard for GC ISO 16703, EN 14039 Solution contains 100 µg/ml in Toluene

Density 0.87 g/ml
HS Nr 38220000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

- n-Decane
- n-Docosane
- n-Dodecane
- n-Dotriacontane
- n-Eicosane
- n-Hexacosane
- n-Hexadecane
- n-Hexatriacontane
- n-Octacosane
- n-Octadecane
- n-Octane
- n-Octatriacontane
- n-Tetracontane
- n-Tetracosane
- n-Tetradecane
- n-Tetratriacontane
- n-Triacontane

Art. Nr.	Pack	Pack Type
CL40.13773.0001	1 ml	AMP

USP Method 467 Residual Solvent Method

VOC Mixture (6C) Solution

NEW CL40.13790

High quality standard for USP Method 467

Solution contains stated concentrations in DMSO

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
HS Nr 38220000

- Benzene (200 µg/mL)
- Chloroform (100 µg/mL)
- 1,4-Dioxane (200 µg/mL)
- Ethylene oxide Solution (20 µg/mL)
- Methylene chloride (200 µg/mL)
- Trichloroethene (200 µg/mL)
- Solvent: DMSO

Art. Nr.	Pack	Pack Type
CL40.13790.0001	1 ml	AMP

Residual Solvents According Ph. Eur.

Ph. Eur. / ICH Class 2 Mix A (14C) Solution

NEW CL40.39127

High quality standard for GC

Solution contains stated concentrations in DMSO

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
HS Nr 38220000

- Chlorobenzene 360 µg/mL
- Cyclohexane 3880 µg/mL
- cis-1,2-Dichloroethene 1870 µg/mL
- Dichloromethane 600 µg/mL
- N,N-Dimethylformamide 880 µg/mL
- Ethylbenzene 369 µg/mL
- n-Hexane 290 µg/mL
- Methylcyclohexane 1180 µg/mL
- Toluene 890 µg/mL
- Trichloroethene 80 µg/mL
- m-Xylene 1302 µg/mL
- o-Xylene 195 µg/mL
- p-Xylene 304 µg/mL
- Tetrahydrofuran 720 µg/mL
- Solvent: DMSO

Art. Nr.	Pack	Pack Type
CL40.39127.0001	1 ml	AMP

Ph. Eur. / ICH Class 2 Mix B (10C) Solution

NEW CL40.39128

High quality standard for GC

Solution contains stated concentrations in Water:DMSO (80:20)

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
HS Nr 38220000

- Acetonitrile 410 µg/mL
- Chloroform 60 µg/mL
- 1,2-Dimethoxyethane 100 µg/mL
- N,N-Dimethylacetamide 1090 µg/mL
- 1,4-Dioxane 380 µg/mL
- 2-Hexanone 50 µg/mL
- Methanol 3000 µg/mL
- Nitromethane 50 µg/mL
- Pyridine 200 µg/mL
- Tetralin 100 µg/mL
- Solvent: Water:DMSO (80:20)

Art. Nr.	Pack	Pack Type
CL40.39128.0001	1 ml	AMP

Ph. Eur. / ICH Class 2 Mix C (6C) Solution

NEW CL40.39129

High quality standard for GC

Solution contains stated concentrations in Water

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
HS Nr 38220000

- 2-Ethoxyethanol 160 µg/mL
- Ethylene glycol 620 µg/mL
- Formamide 220 µg/mL
- 2-Methoxyethanol 50 µg/mL
- N-Methylpyrrolidone 4840 µg/mL
- Sulfolane 160 µg/mL
- Solvent: Water

Art. Nr.	Pack	Pack Type
CL40.39129.0001	1 ml	AMP

Ph. Eur. / ICH Class 1 Mix (5C) Solution

NEW CL40.39130

High quality standard for GC

Solution contains stated concentrations in Water:DMSO (80:20)

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
HS Nr 38220000

- Benzene 2 µg/mL
- Carbon tetrachloride 4 µg/mL
- 1,2-Dichloroethane 5 µg/mL
- 1,1-Dichloroethene 8 µg/mL
- 1,1,1-Trichloroethane 10 µg/mL
- Solvent: Water:DMSO (80:20)

Art. Nr.	Pack	Pack Type
CL40.39130.0001	1 ml	AMP

2.4.1-4

2 Organic Standards

2.4 Reagents & Solvents for Organic Analysis

Acetic acid glacial 99-100%, HPLC grade

CL00.2718

For laboratory use, HPLC 99.8+% CH3COOH

Mol.Weight 60.05 g/mol
Density 1.05 g/ml
CasNr 64-19-7
EINECS 200-580-7
HS Nr 29152100
HNrs H226-H314
PNrs P280-P301 + P330 + P331-P307 + P310-P305 + P351 + P338

UN 2789
ADR 8 (3),II
IATA 8 (3),II
IMDG 8 (3),II

Assay	>99.8%
Non Volatiles	<0.0005%
Water	<0.1%
Transmittance @ 280nm	> 89%
Transmittance @ 350nm	> 98%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.2718.1000	1 l	GVB
CL00.2718.2500	2,5 l	GVB

Acetone, HPLC grade

CL00.0172

For laboratory use, HPLC 99.8+% C3H6O

Mol.Weight 58.08 g/mol
Density 0.791 g/ml
CasNr 67-64-1
EINECS 200-662-2
HS Nr 29141100
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338

UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.8%
Water	<2000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 335nm	> 50%
Transmittance @ 340nm	> 85%
Transmittance @ 350nm	> 98%
Transmittance @ 355nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0172.1000	1 l	GVB/H
CL00.0172.2500	2,5 l	GVB/H

Acetonitrile, HPLC super gradient grade

CL00.0189

For laboratory use, HPLC 99.9+% CH3CN

Mol.Weight 41.05 g/mol
Density 0.781 g/ml
CasNr 75-05-8
EINECS 200-835-2
HS Nr 29269070
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.9%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
HPLC Gradient Transmission @ 210nm	<1.5 mAU
Transmittance @ 190nm	> 30%
Transmittance @ 195nm	> 80%
Transmittance @ 200nm	> 93%
Transmittance @ 220nm	> 98%
Transmittance @ 230nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0189.1000	1 l	GVB/H
CL00.0189.2500	2,5 l	GVB/H

Acetonitrile, HPLC gradient grade

CL00.0175

For laboratory use, HPLC 99.9+% CH3CN

Mol.Weight 41.05 g/mol
Density 0.781 g/ml
CasNr 75-05-8
EINECS 200-835-2
HS Nr 29269070
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Assay	>99.9%
Water	<150ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
UV absorbance @ 254nm	< 0.001
Transmittance @ 195nm	> 70%
Transmittance @ 200nm	> 80%
Transmittance @ 210nm	> 88%
Transmittance @ 220nm	> 94%
Transmittance @ 230nm	> 98%
Transmittance @ 240nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0175.1000	1 l	GVB/H
CL00.0175.2500	2,5 l	GVB/H

Acetonitrile, HPLC grade

CL00.0174

For laboratory use, HPLC 99.9+% CH3CN

Mol.Weight 41.05 g/mol
Density 0.781 g/ml
CasNr 75-05-8
EINECS 200-835-2
HS Nr 29269070
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Assay	>99.9%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0174.1000	1 l	GVB
CL00.0174.2500	2,5 l	GVB

Butanol-(1), HPLC grade

CL00.0243

For laboratory use, HPLC 99.8+% CH3(CH2)3OH

Mol.Weight 74.12 g/mol
Density 0.81 g/ml
CasNr 71-36-3
EINECS 200-751-6
HS Nr 29051300
UN 1120
ADR 3,III
IATA 3,III
IMDG 3,III
HNrs H226-H302-H318-H315-H335-H336
PNrs P280-P302 + P352-P305 + P351 + P338-P313

DANGER.

Assay	>99.8%
Water	<300ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 230nm	> 65%
Transmittance @ 240nm	> 80%
Transmittance @ 250nm	> 90%
Transmittance @ 260nm	> 95%
Transmittance @ 310nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0243.2500	2,5 l	GVB/H

Butyl chloride-(1) - (1-Chlorobutane), HPLC

NEW CL00.2927

For laboratory use, HPLC 99.5+% C4H9Cl

Mol.Weight 92.58 g/mol
Density 0.89 g/ml
CasNr 109-69-3
EINECS 203-696-6
HS Nr 29031900
HNrs H225
PNrs P210-P242-P243

UN 1127
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.5%
Transmittance @ 225nm	>20%
Transmittance @ 230nm	>50%
Transmittance @ 245nm	>90%
Residue after Evaporation	<0.002%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.2927.1000	1 l	GVB

Chloroform, HPLC grade

CL00.0363

For laboratory use, HPLC 99.8+% CHCl3 (Stabilised with Amylene)

Mol.Weight 119.38 g/mol
Density 1.49 g/ml
CasNr 67-66-3
EINECS 200-663-8
HS Nr 29031300
HNrs H351-H302-H372-H315-H361-H319-H331
PNrs P302 + P352-P304 + P340-P305 + P351 + P338-P308 + P310

UN 1888
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Amylene	= 50ppm
Transmittance @ 250nm	> 50%
Transmittance @ 260nm	> 85%
Transmittance @ 270nm	> 98%
Transmittance @ 280nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0363.1000	1 l	GVB/H
CL00.0363.2500	2,5 l	GVB/H
CL00.0363.8025	25 l	FL/HDPE

Chloroform, HPLC grade

CL00.0376

For laboratory use, HPLC 99.8+% CHCl3 (Stabilised with Ethanol)

Mol.Weight 119.38 g/mol
Density 1.49 g/ml
CasNr 67-66-3
EINECS 200-663-8
HS Nr 29031300
HNrs H351-H302-H372-H315-H361-H319-H331
PNrs P302 + P352-P304 + P340-P305 + P351 + P338-P308 + P310

UN 1888
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Ethanol	± 1%
Transmittance @ 250nm	> 50%
Transmittance @ 260nm	> 85%
Transmittance @ 270nm	> 98%
Transmittance @ 280nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0376.1000	1 l	GVB/H
CL00.0376.2500	2,5 l	GVB/H

Tailor Made Mixtures can be formulated to meet your special applications.

Cyclohexane, HPLC grade — CL00.0377

For laboratory use, HPLC — 99.5+% C6H12

Mol.Weight 84.16 g/mol
Density 0.78 g/ml
CasNr 110-82-7
EINECS 203-806-2
HS Nr 29021100
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P233
UN 1145
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.5%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0377.1000	1 l	GVB/H
CL00.0377.2500	2,5 l	GVB/H

Dichloromethane, HPLC grade — CL00.0411

For laboratory use, HPLC — 99.8+% CH2Cl2 (Stabilised with Amylene)

Mol.Weight 84.93 g/mol
Density 1.32 g/ml
CasNr 75-09-2
EINECS 200-838-9
HS Nr 29031200
HNrs H351
PNrs P281-P308 + P313
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Alkalinity	<0.0005meq/g
Non Volatiles	<0.0005%
Amylene	= 50ppm
Residue after Ignition	< 2 ppm
Transmittance @ 235nm	> 40%
Transmittance @ 240nm	> 75%
Transmittance @ 250nm	> 98%
Transmittance @ 260nm	> 99%

WARNING.

Art. Nr.	Pack	Pack Type
CL00.0411.1000	1 l	GVB/H
CL00.0411.2500	2,5 l	GVB/H

Dichloromethane, HPLC grade — NEW CL00.0470

For laboratory use, HPLC — 99.8+% CH2Cl2 (Stabilised with Ethanol)

Mol.Weight 84.93 g/mol
Density 1.32 g/ml
CasNr 75-09-2
EINECS 200-838-9
HS Nr 29031200
HNrs H351
PNrs P281-P308 + P313
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 235nm	> 40%
Transmittance @ 240nm	> 75%
Transmittance @ 250nm	> 98%
Transmittance @ 260nm	> 99%
Residue after Ignition	< 2 ppm

WARNING.

Art. Nr.	Pack	Pack Type
CL00.0470.1000	1 l	GVB/H
CL00.0470.2500	2,5 l	GVB/H

Diethylether, HPLC grade — CL00.0410

For laboratory use, HPLC — 99.5+% (C2H5)2O

Mol.Weight 74.12 g/mol
Density 0.71 g/ml
CasNr 60-29-7
EINECS 200-467-2
HS Nr 29091100
HNrs H224-H302-H336-EUH019-EUH066
PNrs P210-P240-P403 + P235
UN 1155
ADR 3,I
IATA 3,I
IMDG 3,I

Assay	>99.5%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Ethanol	: 1%
Hydrogen Peroxide	<5ppm
Transmittance @ 230nm	> 70%
Transmittance @ 240nm	> 80%
Transmittance @ 250nm	> 90%
Transmittance @ 260nm	> 95%
Transmittance @ 280nm	> 99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0410.1000	1 l	GVB/H
CL00.0410.2500	2,5 l	GVB/H

N,N-Dimethylacetamide, HPLC grade

NEW CL00.0456

For laboratory use, HPLC 99.8+% C4H9NO

Mol.Weight 87.12 g/mol
Density 0.94 g/ml
CasNr 127-19-5
EINECS 204-826-4
HS Nr 29241900
HNrs H360-H332-H312
PNrs P201-P302 + P352-P308 + P313

DANGER.

Assay	>99.8%
Non Volatiles	<0.0002%
Water	<0.05%
Transmittance @ 275nm	>20%
Transmittance @ 285nm	>50%
Transmittance @ 310nm	>90%

Art. Nr.	Pack	Pack Type
CL00.0456.1000	1 l	GVB

Dimethyl sulfoxide, HPLC grade

NEW CL00.0465

For laboratory use, HPLC 99.5+% C2H6OS

Mol.Weight 78.13 g/mol
Density 1.10 g/ml
CasNr 67-68-5
EINECS 200-664-3
HS Nr 29309098

Assay	>99.5%
Non Volatiles	<0.0002%
Water	<0.05%
Transmittance @ 268nm	>20%
Transmittance @ 280nm	>50%
Transmittance @ 320nm	>90%

Art. Nr.	Pack	Pack Type
CL00.0465.1000	1 l	GVB

Dioxan-(1,4), HPLC grade

CL00.0417

For laboratory use, HPLC 99.8+% C4H8O2

Mol.Weight 88.11 g/mol
Density 1.03 g/ml
CasNr 123-91-1
EINECS 204-661-8
HS Nr 29329900
HNrs H225-H351-H319-H335-EUH019-EUH066
PNrs P210-P281-P305 + P351 + P338-P308 + P313

UN 1165
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.8%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 250nm	> 80%
Transmittance @ 260nm	> 85%
Transmittance @ 270nm	> 90%
Transmittance @ 280nm	> 95%
Transmittance @ 290nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0417.2500	2,5 l	GVB/H

Dodecyl hydrogen sulfate Na salt, HPLC grade

NEW CL00.0464

For laboratory use, for ion pair chromatography 99+% C12H25NaO4S

Mol.Weight 288.37 g/mol
Density 1.1 g/cm3
CasNr 151-21-3
EINECS 205-788-1
HS Nr 29209010
HNrs H228-H302 + H332-H315-H318-H335-H412
PNrs P210-P280-P302 + P352-P305 + P351 + P338-P308 + P310

UN 1325
ADR 4.1,III
IATA 4.1,III
IMDG 4.1,III

DANGER.

Assay	>99%
Melting Point	: 204 - 207°C

Art. Nr.	Pack	Pack Type
CL00.0464.0025	25 g	GVB

Ethanol, abs. 100%, HPLC gradient grade

NEW CL00.0545

For laboratory use, HPLC 99.9+vol% C2H5OH - 0.2 µm filtrated

Mol.Weight 46.07 g/mol
Density 0.78 g/ml
CasNr 64-17-5
EINECS 200-578-6
HS Nr 22071000
HNrs H225
PNrs P210
DANGER.

UN 1170
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.9%
Free Acid	<0.0002
Free Alkali	<0.0002
Non Volatiles	<5 mg/l
Water	<0.1%
Transmittance @ 210nm	>25%
Transmittance @ 220nm	>50%
Transmittance @ 230nm	>75%
Transmittance @ 240nm	>85%
Transmittance @ 250nm	>90%
Transmittance @ 260nm	>98%
Transmittance @ 270nm	>99%
Acetaldehyde	<10ppm
Fluorescence Transmission @ 254nm	<2ppb
Fluorescence Transmission @ 365nm	<2ppb
HPLC grandient transmission @ 235nm	<5mAU
HPLC Gradient Transmission @ 254nm	<2mAu

Art. Nr.	Pack	Pack Type
CL00.0545.2500	2,5 l	GVB/H

Ethanol, abs. 100%, HPLC grade

NEW CL00.0529

For laboratory use, HPLC 99.9+vol% C2H5OH - 0.2 µm filtrated

Mol.Weight 46.07 g/mol
Density 0.78 g/ml
CasNr 64-17-5
EINECS 200-578-6
HS Nr 22071000
HNrs H225
PNrs P210
DANGER.

UN 1170
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.9%
Free Acid	<0.0002
Free Alkali	<0.0002
Non Volatiles	<2 mg/l
Water	<0.1%
Transmittance @ 225nm	> 60%
Transmittance @ 240nm	> 85%
Transmittance @ 260nm	> 98%

Art. Nr.	Pack	Pack Type
CL00.0529.1000	1 l	GVB/H
CL00.0529.2500	2,5 l	GVB/H

Ethyl acetate, HPLC grade

CL00.0515

For laboratory use, HPLC 99.8+% C4H8O2

Mol.Weight 88.10 g/mol
Density 0.90 g/ml
CasNr 141-78-6
EINECS 205-500-4
HS Nr 29153100
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338
DANGER.

UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.8%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 260nm	> 70%
Transmittance @ 270nm	> 90%
Transmittance @ 280nm	> 95%
Transmittance @ 300nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0515.2500	2,5 l	GVB/H

Ethyl methyl ketone, HPLC grade (MEK)

CL00.0522

For laboratory use, HPLC 99.8+% C4H8O

Mol.Weight 72.11 g/mol
Density 0.80 g/ml
CasNr 78-93-3
EINECS 201-159-0
HS Nr 29141200
HNrs H225-H319-H336-EUH066
PNrs P210-P305 + P351 + P338-P403 + P233
DANGER.

UN 1193
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.8%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 335nm	> 50%
Transmittance @ 340nm	> 85%
Transmittance @ 350nm	> 98%
Transmittance @ 360nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0522.2500	2,5 l	GVB/H

Heptane-(n) fraction, HPLC grade

CL00.0824

For laboratory use, HPLC 99+% C7H16

Mol.Weight 100.21 g/mol
Density 0.69 g/ml
CasNr 142-82-5
EINECS 205-563-8
HS Nr 29011000
HNrs H225-H304-H315-H336-H410
PNrs P210-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1206
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0824.2500	2,5 l	GVB/H

Heptane-(n) 99+%, HPLC grade

CL00.0816

For laboratory use, HPLC 99+% C7H16

Mol.Weight 100.21 g/mol
Density 0.69 g/ml
CasNr 142-82-5
EINECS 205-563-8
HS Nr 29011000
HNrs H225-H304-H315-H336-H410
PNrs P210-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1206
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0816.1000	1 l	GVB/H
CL00.0816.2500	2,5 l	GVB/H

Heptane-(n) 95+%, HPLC grade

CL00.0823

For laboratory use, HPLC 95+% C7H16

Mol.Weight 100.21 g/mol
Density 0.69 g/ml
CasNr 142-82-5
EINECS 205-563-8
HS Nr 29011000
HNrs H225-H304-H315-H336-H410
PNrs P210-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1206
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>95%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0823.1000	1 l	GVB/H

Hexane-(n) 99+%, HPLC grade

CL00.0817

For laboratory use, HPLC 99+% C6H14

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 110-54-3
EINECS 203-777-6
HS Nr 29011000
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 200nm	> 50%
Transmittance @ 210nm	> 70%
Transmittance @ 220nm	> 90%
Transmittance @ 230nm	> 98%
Transmittance @ 240nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0817.1000	1 l	GVB/H
CL00.0817.2500	2,5 l	GVB/H

Hexane-(n) fraction, HPLC grade

CL00.0828

For laboratory use, HPLC 99+% C6H14 - mixture of isomers

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 110-54-3
EINECS 203-777-6
HS Nr 29011000
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0828.2500	2,5 l	GVB/H

Hexane-(n) 95+%, HPLC grade

CL00.0815

For laboratory use, HPLC 95+% C6H14

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 110-54-3
EINECS 203-777-6
HS Nr 29011000
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>95%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 200nm	> 50%
Transmittance @ 210nm	> 70%
Transmittance @ 220nm	> 90%
Transmittance @ 230nm	> 98%
Transmittance @ 240nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0815.2500	2,5 l	GVB/H

Isohexane HPLC grade

NEW CL00.0937

For laboratory use, fraction from petroleum, for liquid chromatography 99+% C6H14

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 92112-69-1
EINECS 295-570-2
HS Nr 27101225
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H411
PNrs P210-P240-P273-P301 + P330 + P331-P302 + P352-P403 + P233

Assay	>99%
Non Volatiles	<0.0002%
Water	<0.01%
Transmittance @ 200nm	>10%
Transmittance @ 210nm	>30%
Transmittance @ 230nm	>90%
Transmittance @ 254nm	>99%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0937.2500	2,5 l	GVB

Methanol, HPLC super gradient grade

CL00.1371

For laboratory use, HPLC 99.9+% CH3OH

Mol.Weight 32.04 g/mol
Density 0.79 g/ml
CasNr 67-56-1
EINECS 200-659-6
HS Nr 29051100
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

Assay	>99.9%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 40%
Transmittance @ 220nm	> 70%
Transmittance @ 230nm	> 80%
Transmittance @ 240nm	> 90%
Transmittance @ 260nm	> 98%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.1371.1000	1 l	GVB/H
CL00.1371.2500	2,5 l	GVB/H

Methanol, HPLC gradient grade

CL00.1364

For laboratory use, HPLC 99.9+% CH3OH

Mol.Weight 32.04 g/mol
Density 0.79 g/ml
CasNr 67-56-1
EINECS 200-659-6
HS Nr 29051100
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

Assay	>99.9%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
UV Cut-off	= 206nm max
Transmittance @ 225nm	> 67%
Transmittance @ 235nm	> 83%
Transmittance @ 260nm	> 98%

DANGER.

Art. Nr.	Pack	Pack Type
CL00.1364.1000	1 l	GVB/H
CL00.1364.2500	2,5 l	GVB/H

Methanol, HPLC grade

CL00.1363

For laboratory use, HPLC 99.8+% CH3OH

Mol.Weight 32.04 g/mol
Density 0.79 g/ml
CasNr 67-56-1
EINECS 200-659-6
HS Nr 29051100
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Assay	>99.8%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 225nm	> 50%
Transmittance @ 240nm	> 80%
Transmittance @ 280nm	> 98%

Art. Nr.	Pack	Pack Type
CL00.1363.1000	1 l	GVB
CL00.1363.2500	2,5 l	GVB

Methyl tert-butyl ether, HPLC grade (MTBE)

CL00.1373

For laboratory use, HPLC 99.8+% C5H12O

Mol.Weight 88.15 g/mol
Density 0.74 g/ml
CasNr 1634-04-4
EINECS 216-653-1
HS Nr 29091900
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H315
PNrs P210-P302 + P352

DANGER.

Assay	>99.8%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 240nm	> 60%
Transmittance @ 250nm	> 80%
Transmittance @ 260nm	> 90%
Transmittance @ 270nm	> 98%
Transmittance @ 280nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1373.2500	2,5 l	GVB/H

Octane(-iso), HPLC grade

CL00.1505

For laboratory use, HPLC 99.5+% C8H18

Mol.Weight 114.23 g/mol
Density 0.69 g/ml
CasNr 540-84-1
EINECS 208-759-1
HS Nr 29011000
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

Assay	>99.5%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 95%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1505.2500	2,5 l	GVB/H

Pentane-(-n) 99+%, HPLC grade

CL00.1622

For laboratory use, HPLC 99+% C5H12

Mol.Weight 72.15 g/mol
Density 0.63 g/ml
CasNr 109-66-0
EINECS 203-692-4
HS Nr 29011000
HNrs H225-H304-H336-H411-EUH066
PNrs P273-P301 + P310-P331-P403 + P235
UN 1265
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 200nm	> 60%
Transmittance @ 210nm	> 80%
Transmittance @ 220nm	> 90%
Transmittance @ 230nm	> 98%
Transmittance @ 240nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1622.2500	2,5 l	GVB/H

Pentane-(-n) 95+%, HPLC grade

CL00.1625

For laboratory use, HPLC 95+% C5H12

Mol.Weight 72.15 g/mol
Density 0.63 g/ml
CasNr 109-66-0
EINECS 203-692-4
HS Nr 29011000
HNrs H225-H304-H336-H411-EUH066
PNrs P273-P301 + P310-P331-P403 + P235
UN 1265
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>95%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 40%
Transmittance @ 220nm	> 70%
Transmittance @ 230nm	> 90%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1625.2500	2,5 l	GVB/H

Petroleum ether 60-80, HPLC grade

CL00.1632

For laboratory use, HPLC Petroleum ether 60-80°C

Density 0.68 g/ml
CasNr 64742-49-0
EINECS 265-151-9
HS Nr 27101225
HNrs H225-H304-H315-H336-H361-H373-H411
PNrs P210-P261-P273-P281-P301 + P310-P331
UN 1268
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 90%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1632.2500	2,5 l	GVB

Petroleum ether 40-60, HPLC grade — CL00.1631

For laboratory use, HPLC — Petroleum ether 40-60°C

Density 0.653 g/ml
CasNr 64742-49-0
EINECS 265-151-9
HS Nr 27101225
HNrs H225-H304-H315-H336-H361-H373-H411
PNrs P210-P261-P273-P281-P301 + P310-P331-P403 + P235
UN 1268
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 60%
Transmittance @ 220nm	> 80%
Transmittance @ 230nm	> 90%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.1631.2500	2,5 l	GVB/H

Propanol-1 (n-Propanol), HPLC grade — CL00.0924

For laboratory use, HPLC — 99.5+% C3H8O

Mol.Weight 60.10 g/mol
Density 0.80 g/ml
CasNr 71-23-8
EINECS 200-746-9
HS Nr 29051200
HNrs H225-H318-H336
PNrs P210-P233-P280-P305 + P351 + P338-P313
UN 1274
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.5%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 250nm	> 90%
Transmittance @ 290nm	> 98%
Transmittance @ 300nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0924.2500	2,5 l	GVB/H

Propanol-2 (iso-Propanol), HPLC gradient grade — NEW — CL00.0946

For laboratory use, HPLC — 99.9+% C3H8O

Mol.Weight 60.10 g/mol
Density 0.78 g/ml
CasNr 67-63-0
EINECS 200-661-7
HS Nr 29051200
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.9%
Water	<500ppm
Acidity	<0.0002meq/g
Alkalinity	<0.0002meq/g
Non Volatiles	<2ppm
Identity Infrared	: conforms
Transmittance @ 220nm	>80% (After N2 purging)
Transmittance @ 230nm	>90%
Transmittance @ 250nm	>99%
HPLC grandient transmission @ 235nm	<1mAU
HPLC Gradient Transmission @ 254nm	<1mAU

Art. Nr.	Pack	Pack Type
CL00.0946.1000	1 l	GVB/H
CL00.0946.2500	2,5 l	GVB/H

Propanol-2 (iso-Propanol), HPLC grade — CL00.0920

For laboratory use, HPLC — 99.8+% C3H8O

Mol.Weight 60.10 g/mol
Density 0.78 g/ml
CasNr 67-63-0
EINECS 200-661-7
HS Nr 29051200
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338
UN 1219
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.8%
Water	<1000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 210nm	> 40%
Transmittance @ 220nm	> 60%
Transmittance @ 230nm	> 80%
Transmittance @ 240nm	> 98%
Transmittance @ 250nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.0920.1000	1 l	GVB/H
CL00.0920.2500	2,5 l	GVB/H

Tetrahydrofuran, HPLC grade

CL00.2027

For laboratory use, HPLC 99.8+% C4H8O

Mol.Weight 72.11 g/mol
Density 0.89 g/ml
CasNr 109-99-9
EINECS 203-726-8
HS Nr 29321100
UN 2056
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H319-H335-EUH019
PNrs P210-P233-P243-P305 + P351 + P338

DANGER.

Assay	>99.8%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 240nm	> 70%
Transmittance @ 250nm	> 80%
Transmittance @ 260nm	> 90%
Transmittance @ 270nm	> 98%
Transmittance @ 280nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.2027.1000	1 l	GVB/H
CL00.2027.2500	2,5 l	GVB/H

Toluene, HPLC grade

CL00.2028

For laboratory use, HPLC 99.8+% C7H8

Mol.Weight 92.14 g/mol
Density 0.87 g/ml
CasNr 108-88-3
EINECS 203-625-9
HS Nr 29023000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 290nm	> 50%
Transmittance @ 300nm	> 80%
Transmittance @ 310nm	> 90%
Transmittance @ 330nm	> 98%
Transmittance @ 350nm	> 99%

Art. Nr.	Pack	Pack Type
CL00.2028.1000	1 l	GVB/H
CL00.2028.2500	2,5 l	GVB/H

1,2,4-Trichlorobenzene, HPLC grade

NEW **CL00.2071**

For laboratory use, HPLC 99+% C6H3Cl3

Mol.Weight 181.45 g/mol
Density 1.45 g/ml
CasNr 120-82-1
EINECS 204-428-0
HS Nr 29039980
UN 2321
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H302-H315-H400-H410
PNrs P273-P302 + P352

WARNING.

Assay	>99%
Water	<0.01%
Transmittance @ 310nm	>60%
Transmittance @ 315nm	>80%
Transmittance @ 385nm	>98%

Art. Nr.	Pack	Pack Type
CL00.2071.1000	1 l	GVB

Trichloroethylene, HPLC grade

CL00.2033

For laboratory use, HPLC 99.8+% C2HCl3

Mol.Weight 131.79 g/mol
Density 1.46 g/ml
CasNr 79-01-6
EINECS 201-167-4
HS Nr 29032200
UN 1710
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III
HNrs H360-H341-H412
PNrs P201-P308 + P313

DANGER.

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Transmittance @ 280nm	> 50%
Transmittance @ 300nm	> 70%
Transmittance @ 320nm	> 80%
Transmittance @ 350nm	> 85%
Transmittance @ 400nm	> 98%

Art. Nr.	Pack	Pack Type
CL00.2033.2500	2,5 l	GVB/H

Butane-1-sulfonic acid Na salt, HPLC grade

NEW CL00.0266

For laboratory use, for ion pair chromatography 99+% C4H9NaO3S

Mol.Weight 160.17 g/mol
CasNr 2386-54-1
EINECS 219-201-1
HS Nr 29041000

Assay	>99%
Absorbance @ 210nm	<0.1
Absorbance @ 220nm	<0.06
Absorbance @ 230nm	<0.04
Absorbance @ 260nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.0266.0025	25 g	GVB

Cetyltrimethylammonium hydrogen sulfate, HPLC grade

NEW CL00.2938

For laboratory use, for ion pair chromatography 99+% C19H43NO4S

Mol.Weight 381.61 g/mol
CasNr 68214-07-3
EINECS 269-286-4
HS Nr 29239000

Assay	>99%
pH	<2 (10% sol.)
Transmittance @ 200nm	>70%
Transmittance @ 220nm	>90%
Transmittance @ 250nm	>98%
Loss on drying	<2% @ 80°C

Art. Nr.	Pack	Pack Type
CL00.2938.0025	25 g	GVB

Decane-1-sulfonic acid Na salt, HPLC grade

CL00.0425

For laboratory use, for ion pair chromatography 98+% C10H21NaO3S

Mol.Weight 244.33 g/mol
CasNr 13419-61-9
EINECS 236-525-9
HS Nr 29041000

Assay	>98%
Water	<2%

Art. Nr.	Pack	Pack Type
CL00.0425.0100	100 g	PE

n-Docecyl trimethylammonium bromide, HPLC grade

NEW CL00.0463

For laboratory use, for ion pair chromatography 98.5+% C15H34BrN

Mol.Weight 308.34 g/mol
Density 1 g/cm3
CasNr 1119-94-4
EINECS 214-290-3
HS Nr 29239000
HNrs H302-H315-H319-H335-H410
PNrs P261-P273-P305 + P351 + P338-P501
UN 3077
ADR 9,III
IATA 9,III
IMDG 9,III

WARNING.

Assay	>98.5%
Absorbance @ 240nm	<0.04
Absorbance @ 250nm	<0.03
Absorbance @ 260nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.0463.0010	10 g	GVB

Dodecyl hydrogen sulfate Na salt, HPLC grade

NEW CL00.0464

For laboratory use, for ion pair chromatography 99+% C12H25NaO4S

Mol.Weight 288.37 g/mol
Density 1.1 g/cm3
CasNr 151-21-3
EINECS 205-788-1
HS Nr 29209010
HNrs H228-H302 + H332-H315-H318-H335-H412
PNrs P210-P280-P302 + P352-P305 + P351 + P338-P308 + P310
UN 1325
ADR 4.1,III
IATA 4.1,III
IMDG 4.1,III

DANGER.

Assay	>99%
Melting Point	: 204 - 207°C

Art. Nr.	Pack	Pack Type
CL00.0464.0025	25 g	GVB

Heptane-1-sulfonic acid Na salt, HPLC grade — CL00.0836

For laboratory use, for ion pair chromatography 99+% C7H15NaO3S

Mol.Weight 202.24 g/mol
CasNr 22767-50-6
EINECS 245-210-5
HS Nr 29041000

Assay	>99%
Water	<2%
Transmittance @ 200nm	> 70% (0.005 mol/l H2O)
Transmittance @ 220nm	> 90% (0.005 mol/l H2O)
Transmittance @ 250nm	> 98% (0.005 mol/l H2O)

Art. Nr.	Pack	Pack Type
CL00.0836.0100	100 g	PE

Hexadecyltrimethylammonium bromide, HPLC grade — NEW CL00.0841

For laboratory use, for ion pair chromatography 98+% C19H42BrN

Mol.Weight 364.46 g/mol
Density 0.39 g/cm3
CasNr 57-09-0
EINECS 200-311-3
HS Nr 29239000
HNrs H302-H315-H319-H335-H410
PNrs P273-P302 + P352-P304 + P340-P305 + P351 + P338
UN 3077
ADR 9,III
IATA 9,III
IMDG 9,III

WARNING.

Assay	>98%
Absorbance @ 240nm	<0,04
Absorbance @ 250nm	<0,03
Absorbance @ 260nm	<0,02

Art. Nr.	Pack	Pack Type
CL00.0841.0010	10 g	GVB

Hexane-1-sulfonic acid Na salt, HPLC grade — CL00.0835

For laboratory use, for ion pair chromatography 99+% C6H13NaO3S

Mol.Weight 188.22 g/mol
CasNr 2832-45-3
EINECS 220-601-3
HS Nr 29041000

Assay	>99%
Water	<2%
Transmittance @ 200nm	> 70% (0.005 mol/l H2O)
Transmittance @ 220nm	> 90% (0.005 mol/l H2O)
Transmittance @ 250nm	> 98% (0.005 mol/l H2O)

Art. Nr.	Pack	Pack Type
CL00.0835.0100	100 g	PE

Octane-1-sulfonic acid Na salt, HPLC grade — CL00.1515

For laboratory use, for ion pair chromatography 99+% C8H17NaO3S

Mol.Weight 216.27 g/mol
CasNr 5324-84-5
EINECS 226-195-4
HS Nr 29041000
HNrs H315-H319
PNrs P302 + P352-P305 + P351 + P338

WARNING.

Assay	>99%
Water	<2%
Transmittance @ 200nm	> 70% (0.005 mol/l H2O)
Transmittance @ 220nm	> 90% (0.005 mol/l H2O)
Transmittance @ 250nm	> 98% (0.005 mol/l H2O)

Art. Nr.	Pack	Pack Type
CL00.1515.0100	100 g	GVB

Pentane-1-sulfonic acid Na salt, HPLC grade — CL00.0198

For laboratory use, for ion pair chromatography 99+% C5H11NaO3S

Mol.Weight 174.20 g/mol
CasNr 22767-49-3
EINECS 245-208-4
HS Nr 29041000

Assay	>99%
Water	<2%
Transmittance @ 200nm	> 70% (0.005 mol/l H2O)
Transmittance @ 220nm	> 90% (0.005 mol/l H2O)
Transmittance @ 250nm	> 98% (0.005 mol/l H2O)

Art. Nr.	Pack	Pack Type
CL00.0198.0100	100 g	PE

Tetrabutylammonium bromide, HPLC grade

NEW CL00.2053

For laboratory use, for ion pair chromatography 99+% C16H36BrN

Mol.Weight 322.38 g/mol
Density 1.15 g/cm3
CasNr 1643-19-2
EINECS 216-699-2
HS Nr 29239000

Assay	>99%
Absorbance @ 240nm	<0.04
Absorbance @ 250nm	<0.03
Absorbance @ 260nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.2053.0010	10 g	GVB

Tetrabutylammonium chloride, HPLC grade

NEW CL00.2054

For laboratory use, for ion pair chromatography 99+% C16H36ClN

Mol.Weight 277.92 g/mol
Density 1.0 g/cm3
CasNr 1112-67-0
EINECS 214-195-7
HS Nr 29239000
HNrs H319-H315
PNrs P305 + P351 + P338-P302 + P352

WARNING.

Assay	>99%
Absorbance @ 220nm	<0.05
Absorbance @ 230nm	<0.04
Absorbance @ 250nm	<0.03
Absorbance @ 260nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.2054.0010	10 g	GVB

Tetra-n-butylammonium iodide, HPLC grade

NEW CL00.2056

For laboratory use, for ion pair chromatography 99+% C16H36IN

Mol.Weight 369.38 g/mol
CasNr 311-28-4
EINECS 206-220-5
HS Nr 29239000
HNrs H302

WARNING.

Assay	>99%
Absorbance @ 290nm	<0.1
Absorbance @ 300nm	<0.05
Absorbance @ 320nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.2056.0010	10 g	GVB

Tetra-n-butylammonium hydrogen sulfate, HPLC grade

NEW CL00.2090

For laboratory use, for ion pair chromatography 99+% C16H37NSO4

Mol.Weight 339.54 g/mol
Density 1.01 g/cm3
CasNr 32503-27-8
EINECS 251-068-5
HS Nr 29239000
HNrs H302-H315-H319-H335
PNrs P261-P302 + P352-P305 + P351 + P338

WARNING.

Assay	>99%

Art. Nr.	Pack	Pack Type
CL00.2090.0025	25 g	GVB

Reagents for Ion Pair Chromatography

Tetradecyltrimethylammonium bromide, HPLC grade

NEW CL00.2057

For laboratory use, for ion pair chromatography 99+% C17H38BrN

Mol.Weight 336.39 g/mol
CasNr 1119-97-7
EINECS 214-291-9
HS Nr 29239000
HNrs H314
PNrs P280-P301 + P330 + P331-P305 + P351 + P338-P308 + P310
UN 1759
ADR 8,III
IATA 8,III
IMDG 8,III

DANGER.

Assay	>99%
Absorbance @ 240nm	<0.04
Absorbance @ 250nm	<0.03
Absorbance @ 260nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.2057.0010	10 g	GVB

Tetramethylammonium hydrogen sulfate, HPLC grade

NEW CL00.2078

For laboratory use, for ion pair chromatography 99+% C4H13NO4S

Mol.Weight 171.21 g/mol
CasNr 80526-82-5
EINECS 279-490-5
HS Nr 29239000

Assay	>99%
pH	<2 (10% sol.)
Transmittance @ 200nm	>70%
Transmittance @ 220nm	>90%
Transmittance @ 250nm	>98%
Loss on drying	<2% @120°C

Art. Nr.	Pack	Pack Type
CL00.2078.0025	25 g	GVB

Buffer Substances for Chromatography

Ammonium acetate, HPLC grade

NEW CL00.2735

For laboratory use, HPLC, buffer substance for chromatography 99+% C2H7NO2

Mol.Weight 77.08 g/mol
Density 1.17 g/cm3
CasNr 631-61-8
EINECS 211-162-9
HS Nr 29152900

Assay	>99%
pH	: 6.5 to 7.5 (5% sol.) @ 20°C
Iron (Fe)	<0.0001%
Lead (Pb)	<0.0001%
Transmittance @ 254nm	>98.0% (1 mol/l sol.)

Art. Nr.	Pack	Pack Type
CL00.2735.0050	50 g	PE

Ammonium carbonate, HPLC grade

NEW CL00.2738

For laboratory use, HPLC, buffer substance for chromatography 30-34% NH3

Mol.Weight 157.13 g/mol
CasNr 10361-29-2
EINECS 233-786-0
HS Nr 28369917
HNrs H302

WARNING.

Assay	: 30-34%
Absorbance @ 240nm	<0.1
Absorbance @ 250nm	<0.04
Absorbance @ 260nm	<0.02
Absorbance @ 280nm	<0.01

Art. Nr.	Pack	Pack Type
CL00.2738.0250	250 g	PE

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Phosphoric acid 85%, HPLC/UPLC grade

NEW CL00.0633

For laboratory use, HPLC/UPLC, buffer substance for chromatography 85+% H3PO4

Mol.Weight 98.00 g/mol
Density 1.71 g/ml
CasNr 7664-38-2
EINECS 231-633-2
HS Nr 28092000
HNrs H314-H290
PNrs P280-P301 + P330 + P331-P309 + P310-P305 + P351 + P338

UN 1805
ADR 8,III
IATA 8,III
IMDG 8,III

DANGER.

Assay	>85%
Volatile Acids	<0.001%
Chloride	<0.0002%
Fluoride	<0.0001%
Nitrate	<0.0003%
Phosphorous Acid	<0.002%
Sulfate	<0.003%
Reducing Subtances	<0.001%
Silicate	<0.025%
Sodium (Na)	<0.025%
Arsenic (As)	<0.00005%
Calcium (Ca)	<0.005%
Cadmium (Cd)	<0.0001%
Cobalt (Co)	<0.0001%
Copper (Cu)	<0.0001%
Iron (Fe)	<0.0005%
Potassium (K)	<0.0005%
Magnesium (Mg)	<0.001%
Manganese (Mn)	<0.00005%

Nickel (Ni)	<0.0001%
Lead (Pb)	<0.0001%
Antimony (Sb)	<0.0002%
Zinc (Zn)	<0.0002%
Heavy Metals as Lead (Pb)	<0.0005%
Colour	< 10 APHA
Absorbance @ 210nm	< 0.05
Absorbance @ 220nm	< 0.04
Absorbance @ 230nm	< 0.03
Absorbance @ 240nm	< 0.02
Absorbance @ 500nm	< 0.02

Art. Nr.	Pack	Pack Type
CL00.0633.0001	1 ml	VIA

Potassium dihydrogen phosphate, HPLC grade

NEW CL00.3719

For laboratory use, HPLC, buffer substance for chromatography 99.5+% KH2PO4

Mol.Weight 136.09 g/mol
Density 2.34 g/cm3
CasNr 7778-77-0
EINECS 231-913-4
HS Nr 28352400

Assay	>99.5%
Loss on drying	<0.1%
Arsenic (As)	<0.00005%
Iron (Fe)	<0.001%
Sodium (Na)	<0.02%
Chloride	<0.0005%
Sulfate	<0.003%
Nitrogen (N)	<0.001%
Cadmium (Cd)	<0.0005%
Copper (Cu)	<0.0003%

Chromium (Cr)	<0.0002%
Nickel (Ni)	<0.0001%
Heavy Metals as Lead (Pb)	<0.001%
Absorbance @ 210nm	<0.1 (10% sol.)
Absorbance @ 220nm	<0.06 (10% sol.)
Absorbance @ 230nm	<0.04 (10% sol.)
Absorbance @ 300nm	<0.02 (10% sol.)

Art. Nr.	Pack	Pack Type
CL00.3719.0050	50 g	PE

di-Potassium hydrogen phosphate.3aq, HPLC grade

NEW CL00.3722

For laboratory use, HPLC, buffer substance for chromatography 99+% K2HPO4.3H20

Mol.Weight 228.23 g/mol
CasNr 16788-57-1
EINECS 231-834-5
HS Nr 28352400

Assay	>99%
Absorbance @ 210nm	<0.1
Absorbance @ 220nm	<0.03
pH	: 9.2 - 9.4 (5% sol.)

Art. Nr.	Pack	Pack Type
CL00.3722.0250	250 g	GVB

Sodium acetate.3aq, HPLC grade

NEW CL00.4042

For laboratory use, HPLC, buffer substance for chromatography 99.9+% CH3COONa.3H2O

Mol.Weight 136.08 g/mol
Density 1.42 g/cm3
CasNr 6131-90-4
EINECS 204-823-8
HS Nr 29152900

Absorbance @ 250nm	<0.05
Absorbance @ 260nm	<0.01

Art. Nr.	Pack	Pack Type
CL00.4042.0050	50 g	GVB

Sodium formate, HPLC grade

NEW CL00.4046

For laboratory use, HPLC, buffer substance for chromatography 99.5+% HCOONa

Mol.Weight 68.01 g/mol
Density 1.92 g/cm3
CasNr 141-53-7
EINECS 205-488-0
HS Nr 29151200

Absorbance @ 260nm	<0.05
Absorbance @ 270nm	<0.04
Absorbance @ 300nm	<0.03
Absorbance @ 330nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.4046.0050	50 g	GVB

Sodium hydrogen carbonate, HPLC grade

NEW CL00.4043

For laboratory use, HPLC, buffer substance for chromatography 99.9+% NaHCO3

Mol.Weight 84.01 g/mol
Density 2.22 g/cm3
CasNr 144-55-8
EINECS 205-633-8
HS Nr 28363000

Absorbance @ 240nm	<0.1
Absorbance @ 250nm	<0.04
Absorbance @ 260nm	<0.02
Absorbance @ 280nm	<0.01

Art. Nr.	Pack	Pack Type
CL00.4043.0250	250 g	GVB

di-Sodium hydrogen phosphate.2aq, IP HPLC grade

NEW CL00.4041

For laboratory use, IP HPLC, buffer substance for chromatography 99.9+% Na2HPO4.2H2O

Mol.Weight 177.99 g/mol
Density 2.10 g/cm3
CasNr 10028-24-7
EINECS 231-448-7
HS Nr 28352200

Absorbance @ 230nm	<0.1
Absorbance @ 260nm	<0.06
Absorbance @ 280nm	<0.04
Absorbance @ 320nm	<0.02

Art. Nr.	Pack	Pack Type
CL00.4041.0025	25 g	GVB

Trifluoroacetic acid, HPLC grade

NEW CL00.2081

For laboratory use, HPLC, buffer substance for chromatography 99+% C2HF3O2

Mol.Weight 114.02 g/mol
Density 1.48 g/ml
CasNr 76-05-1
EINECS 200-929-3
HS Nr 29159070
HNrs H314-H332-H412
PNrs P260-P280-P301 + P330 + P331-P303 + P361 + P353-P305 + P351 + P338-P302 + P352-P309 + P310-P405-P501
UN 2699
ADR 8,I
IATA 8,I
IMDG 8,I

DANGER.

Assay	>99%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.000005%
Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00002%
Chromium (Cr)	<0.000005%
Cobalt (Co)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Lead (Pb)	<0.00001%
Lithium (Li)	<0.00002%
Magnesium (Mg)	<0.00005%
Manganese (Mn)	<0.000005%
Molybdenum (Mo)	<0.000002%
Nickel (Ni)	<0.000005%
Potassium (K)	<0.00001%
Sodium (Na)	<0.00005%
Strontium (Sr)	<0.000002%
Thallium (Tl)	<0.000005%

Zinc (Zn)	<0.00001%
Water	<0.05% (KF)
Transmittance @ 260nm	<0.90 AU
Transmittance @ 270nm	<0.10 AU
Transmittance @ 280nm	<0.05 AU
Transmittance @ 290nm	<0.04 AU
Transmittance @ 300nm	<0.03 AU
Transmittance @ 320nm	<0.025 AU

Art. Nr.	Pack	Pack Type
CL00.2081.0100	100 ml	GVB

Acetonitrile, LC-MS grade

CL00.0194

For laboratory use, LC-MS, for liquid chromatography 99.95+% CH3CN

Mol.Weight 41.05 g/mol **UN** 1648
Density 0.781 g/ml **ADR** 3,II
CasNr 75-05-8 **IATA** 3,II
EINECS 200-835-2 **IMDG** 3,II
HS Nr 29269070
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Assay	>99.95%
Water	<0.005%
Acidity	<0.0002meq/g
Alkalinity	<0.0001meq/g
Non Volatiles	<0.0001%
Silver (Ag)	<0.1ppm
Aluminium (Al)	<0.5ppm
Barium (Ba)	<0.1ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.05ppm
Cobalt (Co)	<0.02ppm
Chromium (Cr)	<0.02ppm
Copper (Cu)	<0.02ppm
Iron (Fe)	<0.1ppm
Potassium (K)	<0.1ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.02ppm
Sodium (Na)	<0.1ppm
Nickel (Ni)	<0.02ppm

Lead (Pb)	<0.1ppm
Tin (Sn)	<0.1ppm
Zinc (Zn)	<0.1ppm
Particle size	>0.5µm eff.
Fluorescence Transmission @ 254nm	<0.5ppb
Fluorescence Transmission @ 365nm	<0.5ppb
Blank Drift	<12mAU
HPLC Gradient Transmission @ 210nm	<0.5mAU
HPLC Gradient Transmission @ 254nm	<0.2mAU

Art. Nr.	Pack	Pack Type
CL00.0194.1000	1 l	GVB/H
CL00.0194.2500	2,5 l	GVB/H

Ethyl acetate, LC-MS grade

CL00.0524

For laboratory use, LC-MS, for liquid chromatography 99.9+% C4H8O2

Mol.Weight 88.10 g/mol **UN** 1173
Density 0.90 g/ml **ADR** 3,II
CasNr 141-78-6 **IATA** 3,II
EINECS 205-500-4 **IMDG** 3,II
HS Nr 29153100
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

Assay	>99.9%
Water	<0.02%
Non Volatiles	<0.0003%
Acidity	<0.0005meq/g
Alkalinity	<0.0005meq/g
Calcium (Ca)	<0.00001%
Potassium (K)	<0.00001%
Magnesium (Mg)	<0.00001%
Sodium (Na)	<0.00001%
Transmittance @ 260nm	>75%
Transmittance @ 300nm	>99%

Art. Nr.	Pack	Pack Type
CL00.0524.1000	1 l	GVB
CL00.0524.2500	2,5 l	GVB

Methanol, LC-MS grade

CL00.1377

For laboratory use, LC-MS, for liquid chromatography 99.95+% CH3OH

Mol.Weight 32.04 g/mol **UN** 1230
Density 0.79 g/ml **ADR** 3 (6.1),II
CasNr 67-56-1 **IATA** 3 (6.1),II
EINECS 200-659-6 **IMDG** 3 (6.1),II
HS Nr 29051100
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Assay	>99.95%
Water	<0.01%
Acidity	<0.0002meq/g
Alkalinity	<0.00002meq/g
Non Volatiles	<0.0003%
Silver (Ag)	<0.1ppm
Aluminium (Al)	<0.5ppm
Barium (Ba)	<0.1ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.05ppm
Cobalt (Co)	<0.02ppm
Chromium (Cr)	<0.02ppm
Copper (Cu)	<0.01ppm
Iron (Fe)	<0.1ppm
Potassium (K)	<0.1ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.01ppm
Sodium (Na)	<0.1ppm
Nickel (Ni)	<0.02ppm

Lead (Pb)	<0.02ppm
Tin (Sn)	<0.1ppm
Zinc (Zn)	<0.1ppm
Particle size	>0.5µm eff.
Fluorescence Transmission @ 254nm	<1ppb
Fluorescence Transmission @ 365nm	<1ppb
HPLC Gradient Transmission @ 254nm	<2mAU

Art. Nr.	Pack	Pack Type
CL00.1377.1000	1 l	GVB/H
CL00.1377.2500	2,5 l	GVB/H

Propanol-2 (iso-Propanol), LC-MS grade

CL00.0926

For laboratory use, LC-MS, for liquid chromatography 99.9+% C3H8O

Mol.Weight 60.10 g/mol **UN** 1219
Density 0.78 g/ml **ADR** 3,II
CasNr 67-63-0 **IATA** 3,II
EINECS 200-661-7 **IMDG** 3,II
HS Nr 29051200
HNrs H225-H319-H336
PNrs P210-P233-P305 + P351 + P338

DANGER.

Assay	>99.9%
Water	<0,05%
Non Volatiles	<0.0005%
Acidity	<0.0002meq/g
Alkalinity	<0.0002meq/g
Silver (Ag)	<0.1ppm
Aluminium (Al)	<0.5ppm
Barium (Ba)	<0.1ppm
Calcium (Ca)	<0.1ppm
Cadmium (Cd)	<0.05ppm
Cobalt (Co)	<0.02ppm
Chromium (Cr)	<0.02ppm
Copper (Cu)	<0.02ppm
Iron (Fe)	<0.1ppm
Potassium (K)	<0.1ppm
Magnesium (Mg)	<0.1ppm
Manganese (Mn)	<0.02ppm
Sodium (Na)	<0.1ppm

Nickel (Ni)	<0.02ppm
Lead (Pb)	<0.1ppm
Tin (Sn)	<0.1ppm
Zinc (Zn)	<0.1ppm
HPLC Gradient Transmission @ 210nm	<2mAU
Transmittance @ 220nm	>60%
Transmittance @ 230nm	>80%
Transmittance @ 240nm	>98%
Fluorescence Transmission @ 254nm	<1ppb
Fluorescence Transmission @ 365nm	<1ppb
Particle size	>0.5µm : eff.

Art. Nr.	Pack	Pack Type
CL00.0926.1000	1 l	GVB/H
CL00.0926.2500	2,5 l	GVB/H

Solvents for LC/MS

Water, LC-MS grade

CL02.0240

For laboratory use, LC-MS, for liquid chromatography H2O - LF < 1 µS - 0.2 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.00001%
Conductivity	<1µS
Electrospray Ionisation Mass Spectrometry (Reserpine)	< 0.05ppm
Aluminium (Al)	<0.05ppm
Calcium (Ca)	<0.05ppm
Iron (Fe)	<0.05ppm
Potassium (K)	<0.05ppm
Magnesium (Mg)	<0.05ppm
Sodium (Na)	<0.05ppm
HPLC Gradient Transmission @ 210nm	<3mAU
HPLC Gradient Transmission @ 254nm	<1mAU
Fluorescence Transmission @ 254nm	<1ppb
Fluorescence Transmission @ 365nm	<1ppb

Art. Nr.	Pack	Pack Type
CL02.0240.1000	1 l	GVB/H
CL02.0240.2500	2,5 l	GVB/H

Solvents for ULC/MS

Acetonitrile, ULC-MS grade

NEW **CL00.2752**

For laboratory use, ULC-MS, for liquid chromatography 99.97+% CH3CN

Mol.Weight 41.05 g/mol
Density 0.781 g/ml
CasNr 75-05-8
EINECS 200-835-2
HS Nr 29269070
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Assay	>99.97%
Water	<0.01%
Acidity	<0.001meq/g
Alkalinity	<0.0001meq/g
Residue after Evaporation	<0.0001%w/w
Calcium (Ca)	<50ppb
Copper (Cu)	: N.D.
Iron (Fe)	<20ppb
Potassium (K)	<50ppb
Magnesium (Mg)	<20ppb
Sodium (Na)	<50ppb
Aluminium (Al)	<20ppb
Colour	<5 APHA
Transmittance @ 190nm	>30%
Transmittance @ 195nm	>85%
Transmittance @ 200nm	>97%
Transmittance @ 210nm	>98%
Transmittance @ 230nm	>99%

Art. Nr.	Pack	Pack Type
CL00.2752.2500	2,5 l	GVB/H

Methanol, ULC-MS grade

NEW **CL00.3915**

For laboratory use, ULC-MS, for liquid chromatography 99.98+% CH3OH

Mol.Weight 32.04 g/mol
Density 0.79 g/ml
CasNr 67-56-1
EINECS 200-659-6
HS Nr 29051100
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

Assay	>99.98%
Water	<0.03%
Colour	<5 APHA
Residue after Evaporation	<0.0001%w/w
Calcium (Ca)	<50ppb
Potassium (K)	<50ppb
Sodium (Na)	<50ppb
Acidity	<0.002%
Alkalinity	<0,0001%
Transmittance @ 210nm	>40%
Transmittance @ 220nm	>65%
Transmittance @ 230nm	>80%
Transmittance @ 260nm	>98%

Art. Nr.	Pack	Pack Type
CL00.3915.1000	1 l	GVB/H
CL00.3915.2500	2,5 l	GVB/H

Water, ULC-MS grade

NEW **CL02.2112**

For laboratory use, ULC-MS, for liquid chromatography H2O - LF < 1 µS - 0.1 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.0001%
Conductivity	<1µS
Acidity	<0.0002% as C2H4O2
Alkalinity	<0.00005 as NH3
Colour	<5 (APHA)
Calcium (Ca)	<50ppb
Potassium (K)	<50ppb
Sodium (Na)	<50ppb
Iron (Fe)	<30ppb
Aluminium (Al)	<20ppb
Magnesium (Mg)	<20ppb
Total Organic Carbon	<10ppb
Fluorescence Transmission @ 254nm	<0.3ppb
Fluorescence Transmission @ 365nm	<0.3ppb
Blank Drift	<8mAU
HPLC Gradient Transmission @ 210nm	<1mAU
HPLC Gradient Transmission @ 254nm	<0.5mAU

Art. Nr.	Pack	Pack Type
CL02.2112.1000	1 l	GVB/H
CL02.2112.2500	2,5 l	GVB/H

Acetic acid glacial 99-100%, eluent additive for LC-MS

NEW CL00.2720

For laboratory use, eluent additive for LC-MS — 99.9+% CH3COOH

Mol.Weight 60.05 g/mol
Density 1.05 g/ml
CasNr 64-19-7
EINECS 200-580-7
HS Nr 29152100
HNrs H226-H314
PNrs P280-P301 + P330 + P331-P307 + P310-P305 + P351 + P338
UN 2789
ADR 8 (3),II
IATA 8 (3),II
IMDG 8 (3),II

DANGER.

Assay	>99.9%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.000005%
Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00005%
Chromium (Cr)	<0.000005%
Cobalt (Co)	<0.000005%
Copper (Cu)	<0.000005%
Iron (Fe)	<0.00002%
Lead (Pb)	<0.000005%
Lithium (Li)	<0.0000005%
Magnesium (Mg)	<0.00001%
Manganese (Mn)	<0.000005%
Molybdenum (Mo)	<0.000005%
Nickel (Ni)	<0.000005%
Potassium (K)	<0.00001%
Silver (Ag)	<0.000005%
Sodium (Na)	<0.00005%
Strontium (Sr)	<0.000005%
Thallium (Tl)	<0.000005%
Zinc (Zn)	<0.000005%
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.2720.0050	50 ml	GVB

Ammonia 25 weight % solution, eluent additive for LC-MS

NEW CL00.2721

For laboratory use, eluent additive for LC-MS — ±250 g NH3 / kg

Mol.Weight 17.03 g/mol
Density 0.90 g/ml
CasNr 1336-21-6
EINECS 215-647-6
HS Nr 28142000
HNrs H314-H335-H400
PNrs P280-P273-P301 + P330 + P331-P305 + P351 + P338-P309 + P310
UN 2672
ADR 8,III
IATA 8,III
IMDG 8,III

DANGER.

Ammonia	>25%
Aluminium (Al)	<0.000005
Barium (Ba)	<0.000005
Cadmium (Cd)	<0.000005
Calcium (Ca)	<0.000005
Chromium (Cr)	<0.000005
Cobalt (Co)	<0.000005
Copper (Cu)	<0.000005
Iron (Fe)	<0.000005
Lead (Pb)	<0.000005
Lithium (Li)	<0.000005
Magnesium (Mg)	<0.000005
Manganese (Mn)	<0.000005
Molybdenum (Mo)	<0.000005
Nickel (Ni)	<0.000005
Potassium (K)	<0.000005
Silver (Ag)	<0.000005
Sodium (Na)	<0.000005
Strontium (Sr)	<0.000005
Thallium (Tl)	<0.000005
Zinc (Zn)	<0.000005
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.2721.0050	50 ml	PE/OD

Ammonium acetate, eluent additive for LC-MS

NEW CL00.2722

For laboratory use, eluent additive for LC-MS — 99+% C2H7NO2

Mol.Weight 77.08 g/mol
Density 1.17 g/cm3
CasNr 631-61-8
EINECS 211-162-9
HS Nr 29152900

Assay	>99%
Ammonium Acetate	>99%
Aluminium (Al)	<0.0001%
Barium (Ba)	<0.0001%
Cadmium (Cd)	<0.0001%
Calcium (Ca)	<0.001%
Chromium (Cr)	<0.0001%
Cobalt (Co)	<0.0001%
Copper (Cu)	<0.0001%
Iron (Fe)	<0.0001%
Lead (Pb)	<0.0001%
Lithium (Li)	<0.0001%
Magnesium (Mg)	<0.0001%
Manganese (Mn)	<0.0001%
Molybdenum (Mo)	<0.0001%
Nickel (Ni)	<0.0001%
Potassium (K)	<0.005%
Sodium (Na)	<0.005%
Strontium (Sr)	<0.0001%
Zinc (Zn)	<0.0001%
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.2722.0050	50 g	PE

Ammonium formate, eluent additive for LC-MS

NEW CL00.2723

For laboratory use, eluent additive for LC-MS — 97+% HCOONH4

Mol.Weight 63,06 g/mol
Density 1.27 g/cm3
CasNr 540-69-2
EINECS 208-753-9
HS Nr 29151200
HNrs H315-H319-H335
PNrs P261-P280-P305 + P351 + P338-P321-P405-P501

WARNING.

Assay	>97%
Ammonium Acetate	>97%
Aluminium (Al)	<0.0001%
Barium (Ba)	<0.0001%
Cadmium (Cd)	<0.0001%
Calcium (Ca)	<0.0005%
Chromium (Cr)	<0.0001%
Cobalt (Co)	<0.0001%
Copper (Cu)	<0.0001%
Iron (Fe)	<0.0001%
Lead (Pb)	<0.0001%
Lithium (Li)	<0.0001%
Magnesium (Mg)	<0.0005%
Manganese (Mn)	<0.0001%
Molybdenum (Mo)	<0.0001%
Nickel (Ni)	<0.0001%
Potassium (K)	<0.0005%
Sodium (Na)	<0.0005%
Strontium (Sr)	<0.0001%
Zinc (Zn)	<0.0001%
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.2723.0050	50 g	PE

Formic acid 98-100%, eluent additive for LC-MS

NEW CL00.1388

For laboratory use, eluent additive for LC-MS 98-100% HCOOH

Mol.Weight 46.03 g/mol **UN** 1779
Density 1.22 g/ml **ADR** 8 (3),II
CasNr 64-18-6 **IATA** 8 (3),II
EINECS 200-579-1 **IMDG** 8 (3),II
HS Nr 29151100
HNrs H226-H302-H314-H331
PNrs P210-P234-P260-P280-P301 + P330 + P331-P303 + P361 + P353-P305 + P351 + P338-P309 + P310

DANGER.

Assay	: 98-100%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.000005%
Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00002%
Chromium (Cr)	<0.000005%
Cobalt (Co)	<0.000005%
Copper (Cu)	<0.000005%
Iron (Fe)	<0.00002%
Lead (Pb)	<0.000005%
Lithium (Li)	<0.000005%
Magnesium (Mg)	<0.00005%
Nickel (Ni)	<0.000005%
Molybdenum (Mo)	<0.000005%
Potassium (K)	<0.00001%
Silver (Ag)	<0.000005%
Sodium (Na)	<0.00005%
Strontium (Sr)	<0.000005%
Thallium (Tl)	<0.000005%
Zinc (Zn)	<0.000005%
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.1388.0050	50 ml	GVB

Triethylamine, eluent additive for LC-MS

NEW CL00.2049

For laboratory use, eluent additive for LC-MS 99.7+% C6H15N

Mol.Weight 101.19 g/mol **UN** 1296
Density 0.73 g/ml **ADR** 3 (8),II
CasNr 121-44-8 **IATA** 3 (8),II
EINECS 204-469-4 **IMDG** 3 (8),II
HS Nr 29111999
HNrs H225-H332-H312-H302-H314-H335
PNrs P210-P280-P301 + P330 + P331-P302 + P352-P305 + P351 + P338-P309 + P310-P405-P501

DANGER.

Assay	>99.7%
Aluminium (Al)	<0.00002%
Barium (Ba)	<0.00001%
Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00005%
Chromium (Cr)	<0.000005%
Cobalt (Co)	<0.000005%
Copper (Cu)	<0.000005%
Iron (Fe)	<0.00001%
Lead (Pb)	<0.00001%
Lithium (Li)	<0.00001%
Magnesium (Mg)	<0.00001%
Manganese (Mn)	<0.000005%
Molybdenum (Mo)	<0.000005%
Nickel (Ni)	<0.000005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.00005%
Strontium (Sr)	<0.00001%
Zinc (Zn)	<0.00001%
Satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL00.2049.0050	50 ml	GVB

Trifluoroacetic acid, eluent additive for LC-MS

NEW CL00.2050

For laboratory use, eluent additive for LC-MS 99+% C2HF3O2

Mol.Weight 114.02 g/mol **UN** 2699
Density 1.48 g/ml **ADR** 8,I
CasNr 76-05-1 **IATA** 8,I
EINECS 200-929-3 **IMDG** 8,I
HS Nr 29159070
HNrs H314-H332-H412
PNrs P260-P280-P301 + P330 + P331-P303 + P361 + P353-P305 + P351 + P338-P302 + P352-P309 + P310-P405-P501

DANGER.

Assay	>99%
Aluminium (Al)	<0.000005%
Barium (Ba)	<0.000005%
Cadmium (Cd)	<0.000005%
Calcium (Ca)	<0.00002%
Chromium (Cr)	<0.000005%
Cobalt (Co)	<0.000002%
Copper (Cu)	<0.000002%
Iron (Fe)	<0.00002%
Lead (Pb)	<0.00001%
Lithium (Li)	<0.00002%
Magnesium (Mg)	<0.00005%
Manganese (Mn)	<0.000005%
Molybdenum (Mo)	<0.000002%
Nickel (Ni)	<0.000005%
Potassium (K)	<0.00001%
Sodium (Na)	<0.00005%
Strontium (Sr)	<0.000002%
Thallium (Tl)	<0.000005%
Zinc (Zn)	<0.00001%
Water	<0.05% (KF)
Transmittance @ 260nm	>0.90 AU
Transmittance @ 270nm	>0.10 AU
Transmittance @ 280nm	>0.05 AU
Transmittance @ 290nm	>0.04 AU
Transmittance @ 300nm	>0.03 AU
Transmittance @ 320nm	>0.025 AU

Art. Nr.	Pack	Pack Type
CL00.2050.0050	50 ml	GVB

Acetonitrile with 0.1% acetic acid, LC-MS

NEW CL02.0194

For laboratory use, LC-MS 99.9+% CH3CN + 0.1 % CH3COOH

Density 0.781 g/ml
HS Nr 38220000
UN 1993
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

CH3COOH 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
%T 1 cm Ip 210nm >20%	
%T 1 cm Ip 230nm >50%	
%T 1 cm Ip 254nm >90%	
0.22µ filtereed	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.0194.1000	1 l	GVB/H

Acetonitrile with 0.1% formic acid, LC-MS

NEW CL02.0195

For laboratory use, LC-MS 99.9+% CH3CN + 0.1 % HCOOH

Density 0.781 g/ml
HS Nr 38220000
UN 1993
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

Formic Acid	: 0.095 - 0.105% (V/V)
Water	<0.02%
Residue after Evaporation	<5ppm
Aluminium (Al)	<0.00005%
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Iron (Fe)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 220nm	<0.002
HPLC Gradient Transmission @ 254nm	<0.002
Electrospray Ionisation Mass Spectrometry (Reserpine)	<50ppb
Satisfies LC-MS applications	
UV absorbance @ 260nm	<0.1
UV absorbance @ 280nm	<0.05

Filtered 0,22µm (Micron)

Art. Nr.	Pack	Pack Type
CL02.0195.1000	1 l	GVB/H

Acetonitrile with 0.1% trifluoracetic acid, LC-MS

NEW CL02.0196

For laboratory use, LC-MS 99.9+% CH3CN + 0.1 % C2HF3O2

Density 0.781 g/ml
HS Nr 38220000
UN 1993
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

C2HF3O2 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
%T 1 cm Ip 210nm >30%	
%T 1 cm Ip 230nm >50%	
%T 1 cm Ip 254nm >90%	
0.22µ filtereed	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.0196.1000	1 l	GVB/H

Ammonium acetate 10 mMol in Water, pH7 buffered, LC-MS

NEW CL02.0172

For laboratory use, LC-MS 770.8 mg C2H7NO2 / l H2O

Density 1.00 g/ml
CasNr 631-61-8
EINECS 211-162-9
HS Nr 29152900

CH3COONa 9.5-10.5 mmol/l	
Aluminium (Al)	<0.000005%
Calcium (Ca)	<0.000005%
Iron (Fe)	<0.000005%
Magnesium (Mg)	<0.000005%
Potassium (K)	<0.000005%
Sodium (Na)	<0.000005%

satisfies LC-MS applications
%T 1 cm Ip 254nm >96%
%T 1 cm Ip 280nm >98%

Art. Nr.	Pack	Pack Type
CL02.0172.1000	1 l	GVB/H

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Formic acid 10% in water, for cleaning purposes LC-MS

NEW CL02.1342

For laboratory use, cleaning purposes LC-MS — 100 ml HCOOH 98-100% / l H2O

Mol.Weight 46.03 g/mol
Density 1.02 g/ml
CasNr 64-18-6
EINECS 200-579-1
HS Nr 29151100
HNrs H314
PNrs P260-P303 + P361 + P353-P305 + P351 + P338-P310-P405-P501

UN 3412
ADR 8,III
IATA 8,III
IMDG 8,III

HCOOH 9.5-10.5%	
Aluminium (Al)	<0.000005%
Calcium (Ca)	<0.000005%
Iron (Fe)	<0.000005%
Magnesium (Mg)	<0.000005%
Potassium (K)	<0.000005%
Sodium (Na)	<0.000005%
%T 1 cm lp 260nm > 80%	
%T 1 cm lp 280nm > 90%	
satisfies LC-MS applications	

DANGER.

Art. Nr.	Pack	Pack Type
CL02.1342.1000	1 l	GVB/H

Methanol with 0.1% acetic acid, LC-MS

NEW CL02.1339

For laboratory use, LC-MS — 99.9+% CH3OH + 0.1 % CH3COOH

Density 0.792 g/ml
HS Nr 38220000
HNrs H225-H301-H311-H331-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

UN 1992
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

CH3COOH 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 254nm	< 0.01AU
%T 1 cm lp 210nm >5%	
%T 1 cm lp 230nm >50%	
%T 1 cm lp 254nm >95%	
0.22µ filtereed	
satisfies LC-MS applications	

DANGER.

Art. Nr.	Pack	Pack Type
CL02.1339.1000	1 l	GVB/H

Methanol with 0.1% ammonium acetate, LC-MS

NEW CL02.1341

For laboratory use, LC-MS — 99.9+% CH3OH + 0.1 % CH3COONH4

Density 0.792 g/ml
HS Nr 38220000
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

UN 1992
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

CH3COONH4 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm >5%	
%T 1 cm lp 230nm >60%	
%T 1 cm lp 254nm >90%	
0.22µ filtereed	
satisfies LC-MS applications	

DANGER.

Art. Nr.	Pack	Pack Type
CL02.1341.1000	1 l	GVB/H

Methanol with 0.1% formic acid, LC-MS

NEW CL02.1349

For laboratory use, LC-MS — 99.9+% CH3OH + 0.1 % HCOOH

Density 0.792 g/ml
HS Nr 38220000
HNrs H225-H301-H311-H331-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

UN 1992
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

CH3COOH 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 254nm	< 0.01AU
%T 1 cm lp 210nm >5%	
%T 1 cm lp 230nm >50%	
%T 1 cm lp 254nm >95%	
0.22µ filtereed	
satisfies LC-MS applications	

DANGER.

Art. Nr.	Pack	Pack Type
CL02.1349.1000	1 l	GVB/H

Methanol with 0.1% trifluoracetic acid, LC-MS

NEW CL02.1340

For laboratory use, LC-MS 99.9+% CH3OH + 0.1 % C2HF3O2

Density 0.792 g/ml
HS Nr 38220000

UN 1992
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235

DANGER.

C2HF3O2 0,093-0,107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm >5%	
%T 1 cm lp 230nm >35%	
%T 1 cm lp 254nm >90%	
0.22µ filtereed	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.1340.1000	1 l	GVB/H

Water with 0.1% acetic acid, LC-MS

NEW CL02.2103

For laboratory use, LC-MS H2O + 0.1% CH3COOH

Density 1.00 g/ml
HS Nr 38220000

CH3COOH 0.093-0107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 210nm	<0.05AU
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm>20%	
%T 1 cm lp 230nm>75%	
%T 1 cm lp 254nm>99%	
0.22µ filtered	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.2103.1000	1 l	GVB/H

Water with 0.1% ammonium acetate LC-MS

NEW CL02.2106

For laboratory use, LC-MS H2O + 0.1% CH3COONH4

Density 1.00 g/ml
HS Nr 38220000

CH3COONH4 0.093-0107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 210nm	<0.01AU
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm>20%	
%T 1 cm lp 230nm>90%	
%T 1 cm lp 254nm>99%	
0.22µ filtered	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.2106.1000	1 l	GVB/H

Water with 0.1% formic acid, LC-MS

NEW CL02.2104

For laboratory use, LC-MS H2O + 0.1% HCOOH

Density 1.00 g/ml
HS Nr 38220000

HCOOH 0.093-0107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 210nm	<0.05AU
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm>5%	
%T 1 cm lp 230nm>45%	
%T 1 cm lp 254nm>99%	
0.22µ filtered	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.2104.1000	1 l	GVB/H

Water with 0.1% trifluoracetic acid, LC-MS

NEW CL02.2105

For laboratory use, LC-MS H2O + 0.1% C2HF3O2

Density 1.00 g/ml
HS Nr 38220000

C2HF3O2 0.093-0107%	
Calcium (Ca)	<0.00005%
Magnesium (Mg)	<0.00005%
Potassium (K)	<0.00005%
Sodium (Na)	<0.0002%
HPLC Gradient Transmission @ 210nm	<0.05AU
HPLC Gradient Transmission @ 254nm	<0.01AU
%T 1 cm lp 210nm>25%	
%T 1 cm lp 230nm>85%	
%T 1 cm lp 254nm>99%	
0.22µ filtered	
satisfies LC-MS applications	

Art. Nr.	Pack	Pack Type
CL02.2105.1000	1 l	GVB/H

Tailor Made Mixtures can be formulated to meet your special applications.

Acetone, Pesticide grade

CL00.0191

For laboratory use, pesticide analysis 99.8+% C3H6O

Mol.Weight 58.08 g/mol
Density 0.791 g/ml
CasNr 67-64-1
EINECS 200-662-2
HS Nr 29141100
HNrs H225-H319-H336-EUH066
PNrs P210-P233-P305 + P351 + P338
UN 1090
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.8%
Water	<3000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0191.1000	1 l	GVB/H
CL00.0191.2500	2,5 l	GVB/H

Acetonitrile, Pesticide grade

CL00.0190

For laboratory use, pesticide analysis 99.9+% CH3CN

Mol.Weight 41.05 g/mol
Density 0.781 g/ml
CasNr 75-05-8
EINECS 200-835-2
HS Nr 29269070
HNrs H225-H302 + H312 + H332-H319
PNrs P210-P305 + P351 + P338-P403 + P235
UN 1648
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.9%
Water	<2000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0190.2500	2,5 l	GVB/H

Chloroform, Pesticide grade

CL00.0391

For laboratory use, pesticide analysis 99.8+% CHCl3 (Stabilised with 1% ethanol)

Mol.Weight 119.38 g/mol
Density 1.49 g/ml
CasNr 67-66-3
EINECS 200-663-8
HS Nr 29031300
HNrs H351-H302-H372-H315-H361-H319-H331
PNrs P302 + P352-P304 + P340-P305 + P351 + P338-P308 + P310
UN 1888
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

DANGER.

Assay	>99.8%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Ethanol	< 1%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0391.2500	2,5 l	GVB/H

Cyclohexane, Pesticide grade — CL00.0392

For laboratory use, pesticide analysis 99.5+% C6H12

Mol.Weight 84.16 g/mol
Density 0.78 g/ml
CasNr 110-82-7
EINECS 203-806-2
HS Nr 29021100
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P233
UN 1145
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.5%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0392.1000	1 l	GVB/H
CL00.0392.2500	2,5 l	GVB/H

Dichloromethane, Pesticide grade — CL00.0419

For laboratory use, pesticide analysis 99.8+% CH2Cl2 (Stabilised with Amylene)

Mol.Weight 84.93 g/mol
Density 1.32 g/ml
CasNr 75-09-2
EINECS 200-838-9
HS Nr 29031200
HNrs H351
PNrs P281-P308 + P313
UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Assay	>99.8%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Amylene	= 50ppm
Lindane	<5ng/l
Ethylparathion	<10ng/l

WARNING.

Art. Nr.	Pack	Pack Type
CL00.0419.1000	1 l	GVB/H
CL00.0419.2500	2,5 l	GVB/H

Diethylether, Pesticide grade — CL00.0418

For laboratory use, pesticide analysis 99.5+% (C2H5)2O

Mol.Weight 74.12 g/mol
Density 0.71 g/ml
CasNr 60-29-7
EINECS 200-467-2
HS Nr 29091100
HNrs H224-H302-H336-EUH019-EUH066
PNrs P210-P240-P403 + P235
UN 1155
ADR 3,I
IATA 3,I
IMDG 3,I

Assay	>99.5%
Water	<1000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Ethanol	: 1%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0418.1000	1 l	GVB/H
CL00.0418.2500	2,5 l	GVB/H

Ethanol, abs. 100%, Pesticide grade — NEW CL00.0541

For laboratory use, pesticide analysis, GC ECD and FID, residue analysis 99.8+l% C2H5OH

Mol.Weight 46.07 g/mol
Density 0.78 g/ml
CasNr 64-17-5
EINECS 200-578-6
HS Nr 22071000
HNrs H225
PNrs P210
UN 1170
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.9%
Non Volatiles	<3.0%
Colour	<10 Hazen

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0541.1000	1 l	GVB/H
CL00.0541.2500	2,5 l	GVB/H

Ethyl acetate, Pesticide grade

CL00.0521

For laboratory use, pesticide analysis 99.8+% C4H8O2

Mol.Weight 88.10 g/mol
Density 0.90 g/ml
CasNr 141-78-6
EINECS 205-500-4
HS Nr 29153100
HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338
UN 1173
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.8%
Water	<500ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0521.2500	2,5 l	GVB/H

Heptane-(n) 95+%, Pesticide grade

CL00.0825

For laboratory use, pesticide analysis 95+% C7H16

Mol.Weight 100.21 g/mol
Density 0.69 g/ml
CasNr 142-82-5
EINECS 205-563-8
HS Nr 29011000
HNrs H225-H304-H315-H336-H410
PNrs P210-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1206
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>95%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0825.2500	2,5 l	GVB/H

Hexane-(n) 99+%, Pesticide grade

CL00.0827

For laboratory use, pesticide analysis 99+% C6H14

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 110-54-3
EINECS 203-777-6
HS Nr 29011000
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.0827.2500	2,5 l	GVB/H

Hexane-(n) 95+%, Pesticide grade

CL00.0826

For laboratory use, pesticide analysis 95+% C6H14

Mol.Weight 86.18 g/mol
Density 0.66 g/ml
CasNr 110-54-3
EINECS 203-777-6
HS Nr 29011000
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>95%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0826.2500	2,5 l	GVB/H

Hexane-(iso) 99+%, Pesticide grade

NEW CL00.0846

For laboratory use, pesticide analysis, GC ECD end FID, residue analysis 99.8+% C6H14

Mol.Weight 86.18 g/mol
Density 0.653 g/ml
CasNr 107-83-5
EINECS 203-523-4
HS Nr 29011000
HNrs H225-H304-H315-H336-H411
PNrs P210-P261-P273-P301 + P330 + P331-P302 + P352-P403 + P233

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

Assay	>99.8%
2-methylpentane	>50%
Non Volatiles	<3gg/l
Water	<0.01%
Colour	<10 Hazen

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0846.2500	2,5 l	GVB/H

Methanol, Pesticide grade

CL00.1372

For laboratory use, pesticide analysis 99.9+% CH3OH

Mol.Weight 32.04 g/mol
Density 0.79 g/ml
CasNr 67-56-1
EINECS 200-659-6
HS Nr 29051100
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II

Assay	>99.9%
Water	<1000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.1372.2500	2,5 l	GVB/H

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

Methyl tert-butyl ether, Pesticide grade (MTBE)

NEW CL00.3911

For laboratory use, pesticide analysis 99.9+% C5H12O

Mol.Weight 88.15 g/mol
Density 0.74 g/ml
CasNr 1634-04-4
EINECS 216-653-1
HS Nr 29091900
HNrs H225-H315
PNrs P210-P302 + P352
UN 2398
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.9%
Non Volatiles	<0.0001%
Water	<0.02%

Art. Nr.	Pack	Pack Type
CL00.3911.1000	1 l	GVB

Octane(-iso), Pesticide grade

CL00.1513

For laboratory use, pesticide analysis 99.5+% C8H18

Mol.Weight 114.23 g/mol
Density 0.69 g/ml
CasNr 540-84-1
EINECS 208-759-1
HS Nr 29011000
HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235
UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99.5%
Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.1513.2500	2,5 l	GVB/H

Pentane-(-n) 99+%, Pesticide grade

CL00.1633

For laboratory use, pesticide analysis 99+% C5H12

Mol.Weight 72.15 g/mol
Density 0.63 g/ml
CasNr 109-66-0
EINECS 203-692-4
HS Nr 29011000
HNrs H225-H304-H336-H411-EUH066
PNrs P273-P301 + P310-P331-P403 + P235
UN 1265
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Assay	>99%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.1633.2500	2,5 l	GVB/H

Petroleum ether 60-80, Pesticide grade

CL00.1635

For laboratory use, pesticide analysis — Petroleum ether 60-80°C

Density	0.68 g/ml	**UN**	1268
CasNr	64742-49-0	**ADR**	3,II
EINECS	265-151-9	**IATA**	3,II
HS Nr	27101225	**IMDG**	3,II
HNrs	H225-H304-H315-H336-H361-H373-H411		
PNrs	P210-P261-P273-P281-P301 + P310-P331		

Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.1635.2500	2,5 l	GVB/H

Petroleum ether 40-60, Pesticide grade

CL00.1634

For laboratory use, pesticide analysis — Petroleum ether 40-60°C

Density	0.653 g/ml	**UN**	1268
CasNr	64742-49-0	**ADR**	3,II
EINECS	265-151-9	**IATA**	3,II
HS Nr	27101225	**IMDG**	3,II
HNrs	H225-H304-H315-H336-H361-H373-H411		
PNrs	P210-P261-P273-P281-P301 + P310-P331-P403 + P235		

Water	<200ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.1634.2500	2,5 l	GVB/H

Propanol-2 (iso-Propanol), Pesticide grade

CL00.0925

For laboratory use, pesticide analysis — 99.8+% C3H8O

Mol.Weight	60.10 g/mol	**UN**	1219
Density	0.78 g/ml	**ADR**	3,II
CasNr	67-63-0	**IATA**	3,II
EINECS	200-661-7	**IMDG**	3,II
HS Nr	29051200		
HNrs	H225-H319-H336		
PNrs	P210-P233-P305 + P351 + P338		

Assay	>99.8%
Water	<2000ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

DANGER.

Art. Nr.	Pack	Pack Type
CL00.0925.2500	2,5 l	GVB/H

Tailor Made Mixtures can be formulated to meet your special applications.

Solvents for Pesticide Analysis

Toluene, Pesticide grade — CL00.2034

For laboratory use, pesticide analysis 99.8+% C7H8

Mol.Weight 92.14 g/mol
Density 0.87 g/ml
CasNr 108-88-3
EINECS 203-625-9
HS Nr 29023000
UN 1294
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H361-H304-H373-H315-H336
PNrs P210-P301 + P310-P331-P302 + P352

DANGER.

Assay	>99.8%
Water	<100ppm
Acidity	<0.0005meq/g
Non Volatiles	<0.0005%
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL00.2034.1000	1 l	GVB/H
CL00.2034.2500	2,5 l	GVB/H

Reagents for Pesticide Analysis

Florisil® 60-100 - for analysis of residual pesticides — NEW CL00.0626

*For laboratory use, GC, for analysis of residual pesticides MgO 3.75 SiO2.xH2O

Mol.Weight 100,39 g/mol
Density 0.5 g/cm3
CasNr 1343-88-0
EINECS 215-681-1
HS Nr 28399000

Art. Nr.	Pack	Pack Type
CL00.0626.0500	500 g	PE

Sodium sulfate, anhydrous a.r. for analysis of residual pesticides — NEW CL00.4001

For laboratory use, ACS, ISO, Ph. Eur., for analysis of residual pesticides 99+% Na2SO4

Mol.Weight 142.04 g/mol
Density 2.70 g/cm3
CasNr 7757-82-6
EINECS 231-820-9
HS Nr 28331100

Assay	>99%
Particle size	< 60 mesh max 20%

Art. Nr.	Pack	Pack Type
CL00.4001.0500	500 g	PE

Water, ULC-MS grade

NEW CL02.2112

For laboratory use, ULC-MS, for liquid chromatography H2O - LF < 1 µS - 0.1 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.0001%
Conductivity	<1µS
Acidity	<0.0002% as C2H4O2
Alkalinity	<0.00005 as NH3
Colour	<5 (APHA)
Calcium (Ca)	<50ppb
Potassium (K)	<50ppb
Sodium (Na)	<50ppb
Iron (Fe)	<30ppb
Aluminium (Al)	<20ppb
Magnesium (Mg)	<20ppb

Total Organic Carbon	<10ppb
Fluorescence Transmission @ 254nm	<0.3ppb
Fluorescence Transmission @ 365nm	<0.3ppb
Blank Drift	<8mAU
HPLC Gradient Transmission @ 210nm	<1mAU
HPLC Gradient Transmission @ 254nm	<0.5mAU

Art. Nr.	Pack	Pack Type
CL02.2112.1000	1 l	GVB/H
CL02.2112.2500	2,5 l	GVB/H

Water, LC-MS grade

CL02.0240

For laboratory use, LC-MS, for liquid chromatography H2O - LF < 1 µS - 0.2 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.00001%
Conductivity	<1µS
Electrospray Ionisation Mass Spectrometry (Reserpine)	< 0.05ppm
Aluminium (Al)	<0.05ppm
Calcium (Ca)	<0.05ppm
Iron (Fe)	<0.05ppm
Potassium (K)	<0.05ppm
Magnesium (Mg)	<0.05ppm

Sodium (Na)	<0.05ppm
HPLC Gradient Transmission @ 210nm	<3mAU
HPLC Gradient Transmission @ 254nm	<1mAU
Fluorescence Transmission @ 254nm	<1ppb
Fluorescence Transmission @ 365nm	<1ppb

Art. Nr.	Pack	Pack Type
CL02.0240.1000	1 l	GVB/H
CL02.0240.2500	2,5 l	GVB/H

Water, Pesticide grade

NEW CL02.2111

For laboratory use, pesticide analysis H2O - LF < 1 µS - 0.2 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.0002%
Conductivity	<1µS
Acidity	<0.0005% as C2H4O2
Total Organic Carbon	<30ppb
Lindane	<5ng/l
Ethylparathion	<10ng/l

Art. Nr.	Pack	Pack Type
CL02.2111.1000	1 l	GVB/H

Water, HPLC grade

CL02.0221

For laboratory use, HPLC H2O - LF < 1 µS - 0.4 µm filtrated

Mol.Weight 18.016 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Non Volatiles	<0.0005%
Conductivity	<1µS
T200nm > 97%	
T210nm > 98%	
T254nm > 99%	
T300nm > 99%	

Art. Nr.	Pack	Pack Type
CL02.0221.1000	1 l	GVB
CL02.0221.2500	2,5 l	GVB
CL02.0221.9025	25 l	PE

Water for Cell biology

CL02.2109

For laboratory use H2O

Mol.Weight 18.01 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Sterility	: passes test
Non Volatiles	<0.001%
pH	: 5 to 7
Heavy Metals as Lead (Pb)	<0.00001%
Chloride	: passes test
Ammonium	<0.00002%
Nitrate	<0.00002%
Sulfate	: passes test
Aluminium (Al)	<0.000001%

Calcium + Magnesium	: passes test

Art. Nr.	Pack	Pack Type
CL02.2109.1000	1 l	GVB

Water for Molecular biology

CL02.2108

For laboratory use, for molecular biology H2O

Mol.Weight 18.01 g/mol
Density 1.00 g/ml
CasNr 7732-18-5
EINECS 231-791-2
HS Nr 28530010

Appearance	: colorless liquid
DNases/RNases/Proteases	: N.D.
Osmolality	: 0mOsm/kg

Art. Nr.	Pack	Pack Type
CL02.2108.1000	1 l	GVB

3

3 Petroleum, Food & Biodiesel Standards

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditatierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

3.1

3 Petroleum, Food & Biodiesel Standards

3.1 Metallo Organic Standards

3.1.1 Metallo Organic Single Element Standards

3.1.2 Metallo Organic Multi Element Standards

Metallo Organic Element Standards 5.000 µg/g

Aluminium			
Aluminium	Al in Standard matrix oil 55-65 mPas	50 g	CL11.0108.0050
Antimony			
Antimony	Sb in Standard matrix oil 55-65 mPas	50 g	CL11.0128.0050
Barium			
Barium	Ba in Standard matrix oil 55-65 mPas	50 g	CL11.0208.0050
Bismuth			
Bismuth	Bi in Standard matrix oil 55-65 mPas	50 g	CL11.0228.0050
Boron			
Boron	B in Standard matrix oil 55-65 mPas	50 g	CL11.0238.0050
Cadmium			
Cadmium	Cd in Standard matrix oil 55-65 mPas	50 g	CL11.0308.0050
Calcium			
Calcium	Ca in Standard matrix oil 55-65 mPas	50 g	CL11.0393.0050
Chromium			
Chromium	Cr in Standard matrix oil 55-65 mPas	50 g	CL11.0368.0050
Cobalt			
Cobalt	Co in Standard matrix oil 55-65 mPas	50 g	CL11.1128.0050
Copper			
Copper	Cu in Standard matrix oil 55-65 mPas	50 g	CL11.1138.0050
Iron			
Iron	Fe in Standard matrix oil 55-65 mPas	50 g	CL11.0908.0050
Lead			
Lead	Pb in Standard matrix oil 55-65 mPas	50 g 500 ml	CL11.1228.0050 CL11.1228.0500
Lithium			
Lithium	Li in Standard matrix oil 55-65 mPas	50 g	CL11.1218.0050
Magnesium			
Magnesium	Mg in Standard matrix oil 55-65 mPas	50 g	CL11.1352.0050
Manganese			
Manganese	Mn in Standard matrix oil 55-65 mPas	50 g	CL11.1318.0050
Molybdenum			
Molybdenum	Mo in Standard matrix oil 55-65 mPas	50 g	CL11.1338.0050
Nickel			
Nickel	Ni in Standard matrix oil 55-65 mPas	50 g	CL11.1428.0050
Phosphorus			
Phosphorus	P in Standard matrix oil 55-65 mPas	50 g	CL11.0602.0050

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Metallo Organic Element Standards 5.000 µg/g

Potassium			
Potassium	K in Standard matrix oil 55-65 mPas	50 g 500 ml	CL11.1173.0050 CL11.1173.0500
Selenium			
Selenium	Se in Standard matrix oil 40-50 mPa	50 g	CL11.1928.0050
Silicium			
Silicium	Si in Standard matrix oil 40-50 mPa	50 g	CL11.1938.0050
Silver			
Silver	Ag in Standard matrix oil 55-65 mPas	50 g	CL11.2618.0050
Sodium			
Sodium	Na in Standard matrix oil 55-65 mPas	50 g	CL11.1463.0050
Sulfur			
Sulfur	S in Standard matrix oil 55-65 mPas	50 g	CL11.2608.0050
Tin			
Tin	Sn in Standard matrix oil 55-65 mPas	50 g	CL11.2068.0050
Titanium			
Titanium	Ti in Standard matrix oil 55-65 mPas	50 g	CL11.2078.0050
Vanadium			
Vanadium	V in Standard matrix oil 55-65 mPas	50 g	CL11.2208.0050
Yttrium			
Yttrium	Y in Standard matrix oil 55-65 mPas	50 g	CL11.2518.0050
Zinc			
Zinc	Zn in Standard matrix oil 55-65 mPas	50 g	CL11.2628.0050
Zirconium			
Zirconium	Zr in Standard matrix oil 55-65 mPas	50 g	CL11.2638.0050

Metallo Organic Element Standards 5.000 µg/g Sulfur Free

Cobalt			
Cobalt	Co in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.1103.0050
Yttrium			
Yttrium	Y in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.2502.0050

Tailor Made Mixtures can be formulated to meet your special applications.

Metallo Organic Element Standards 1.000 µg/g

Aluminium			
Aluminium	Al in Standard matrix oil 55-65 mPas	50 g	CL11.0109.0050
Antimony			
Antimony	Sb in Standard matrix oil 55-65 mPas	50 g	CL11.0129.0050
Arsenicum			
Arsenicum	As in Standard matrix oil 55-65 mPas	50 g	CL11.0139.0050
Barium			
Barium	Ba in Standard matrix oil 55-65 mPas	50 g	CL11.0209.0050
Beryllium			
Beryllium	Be in Standard matrix oil 55-65 mPas	50 g	CL11.0219.0050
Bismuth			
Bismuth	Bi in Standard matrix oil 55-65 mPas	50 g	CL11.0229.0050
Boron			
Boron	B in Standard matrix oil 55-65 mPas	50 g	CL11.0239.0050
Cadmium			
Cadmium	Cd in Standard matrix oil 55-65 mPas	50 g	CL11.0309.0050
Calcium			
Calcium	Ca in Standard matrix oil 55-65 mPas	50 g	CL11.0391.0050
Chromium			
Chromium	Cr in Standard matrix oil 55-65 mPas	50 g	CL11.0369.0050
Cobalt			
Cobalt	Co in Standard matrix oil 55-65 mPas	50 g	CL11.1129.0050
Copper			
Copper	Cu in Standard matrix oil 55-65 mPas	50 g	CL11.1139.0050
Iodide			
Iodide	I in Standard matrix oil 75 cSt	100 ml	CL11.0901.0100
Iron			
Iron	Fe in Standard matrix oil 55-65 mPas	50 g	CL11.0909.0050
Lanthanum			
Lanthanum	La in Standard matrix oil 55-65 mPas	50 g	CL11.1209.0050
Lead			
Lead	Pb in Standard matrix oil 55-65 mPas	50 g	CL11.1229.0050
Lithium			
Lithium	Li in Standard matrix oil 55-65 mPas	50 g	CL11.1220.0050
Magnesium			
Magnesium	Mg in Standard matrix oil 55-65 mPas	50 g	CL11.1310.0050

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Metallo Organic Element Standards 1.000 µg/g

Manganese			
Manganese	Mn in Standard matrix oil 55-65 mPas	50 g	CL11.1319.0050
Mercury			
Mercury	Hg in Standard matrix oil 55-65 mPas	50 g	CL11.1159.0050
Molybdenum			
Molybdenum	Mo in Standard matrix oil 55-65 mPas	50 g	CL11.1339.0050
Nickel			
Nickel	Ni in Standard matrix oil 55-65 mPas	50 g	CL11.1429.0050
Palladium			
Palladium	Pd in Xylene	50 g	CL11.1609.0050
Phosphorus			
Phosphorus	P in Standard matrix oil 55-65 mPas	50 g	CL11.0601.0050
Platinum			
Platinum	Pt in Xylene	50 g	CL11.1619.0050
Potassium			
Potassium	K in Standard matrix oil 55-65 mPas	50 g	CL11.1171.0050
Rhodium			
Rhodium	Rh in Xylene	50 g	CL11.1819.0050
Ruthenium			
Ruthenium	Ru in Xylene	50 g	CL11.1839.0050
Scandium			
Scandium	Sc in Standard matrix oil 40-50 mPa	50 g	CL11.1919.0050
Selenium			
Selenium	Se in Standard matrix oil 40-50 mPa	50 g	CL11.1929.0050
Silicium			
Silicium	Si in Standard matrix oil 40-50 mPa	50 g	CL11.1939.0050
Silver			
Silver	Ag in Standard matrix oil 55-65 mPas	50 g	CL11.2619.0050
Sodium			
Sodium	Na in Standard matrix oil 55-65 mPas	50 g	CL11.1461.0050
Strontium			
Strontium	Sr in Standard matrix oil 55-65 mPas	50 g	CL11.1969.0050
Sulfur			
Sulfur	S in Standard matrix oil 55-65 mPas	50 g	CL11.2609.0050
Thallium			
Thallium	Tl in Standard matrix oil 55-65 mPas	50 g	CL11.2039.0050

Metallo Organic Element Standards 1.000 µg/g

Tin			
Tin	Sn in Standard matrix oil 55-65 mPas	50 g	CL11.2069.0050
Titanium			
Titanium	Ti in Standard matrix oil 55-65 mPas	50 g	CL11.2079.0050
Tungsten			
Tungsten	W in Standard matrix oil 55-65 mPas	50 g	CL11.2305.0050
Vanadium			
Vanadium	V in Standard matrix oil 55-65 mPas	50 g	CL11.2209.0050
Yttrium			
Yttrium	Y in Standard matrix oil 55-65 mPas	50 g	CL11.2519.0050
Zinc			
Zinc	Zn in Standard matrix oil 55-65 mPas	50 g	CL11.2629.0050
Zirconium			
Zirconium	Zr in Standard matrix oil 55-65 mPas	50 g	CL11.2639.0050

Metallo Organic Element Standards 1.000 µg/g Sulfur Free

Calcium			
Calcium	Ca in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.0394.0050
Magnesium			
Magnesium	Mg in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.1340.0050
Phosphorus			
Phosphorus	P in Sulfur-Free Standard matrix oil 40-50 mPa	50 g	CL11.0627.0050
Potassium			
Potassium	K in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.1102.0050
Sodium			
Sodium	Na in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.1401.0050
Yttrium			
Yttrium	Y in Sulfur-Free Standard matrix oil 55-65 mPas	50 g	CL11.2501.0050

V21 Wear Metal (21E) Standard solution — CL11.13506

*High quality standard sol. for ICP, RDE — Contains 500 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 500 µg/g
Aluminium (Al)	: 500 µg/g
Boron (B)	: 500 µg/g
Barium (Ba)	: 500 µg/g
Calcium (Ca)	: 500 µg/g
Cadmium (Cd)	: 500 µg/g
Chromium (Cr)	: 500 µg/g
Copper (Cu)	: 500 µg/g
Iron (Fe)	: 500 µg/g
Magnesium (Mg)	: 500 µg/g
Manganese (Mn)	: 500 µg/g
Molybdenum (Mo)	: 500 µg/g
Sodium (Na)	: 500 µg/g
Nickel (Ni)	: 500 µg/g
Phosphorus (P)	: 500 µg/g
Lead (Pb)	: 500 µg/g
Silicon (Si)	: 500 µg/g
Tin (Sn)	: 500 µg/g
Titanium (Ti)	: 500 µg/g
Vanadium (V)	: 500 µg/g
Zinc (Zn)	: 500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13506.0100	100 g	PE

V21 Wear Metal (21E) Standard solution — CL11.13505

*High quality standard sol. for ICP, RDE — Contains 300 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 300 µg/g
Aluminium (Al)	: 300 µg/g
Boron (B)	: 300 µg/g
Barium (Ba)	: 300 µg/g
Calcium (Ca)	: 300 µg/g
Cadmium (Cd)	: 300 µg/g
Chromium (Cr)	: 300 µg/g
Copper (Cu)	: 300 µg/g
Iron (Fe)	: 300 µg/g
Magnesium (Mg)	: 300 µg/g
Manganese (Mn)	: 300 µg/g
Molybdenum (Mo)	: 300 µg/g
Sodium (Na)	: 300 µg/g
Nickel (Ni)	: 300 µg/g
Phosphorus (P)	: 300 µg/g
Lead (Pb)	: 300 µg/g
Silicon (Si)	: 300 µg/g
Tin (Sn)	: 300 µg/g
Titanium (Ti)	: 300 µg/g
Vanadium (V)	: 300 µg/g
Zinc (Zn)	: 300 µg/g

Art. Nr.	Pack	Pack Type
CL11.13505.0100	100 g	PE

V21 Wear Metal (21E) Standard solution — CL11.13504

*High quality standard sol. for ICP, RDE — Contains 100 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 100 µg/g
Aluminium (Al)	: 100 µg/g
Boron (B)	: 100 µg/g
Barium (Ba)	: 100 µg/g
Calcium (Ca)	: 100 µg/g
Cadmium (Cd)	: 100 µg/g
Chromium (Cr)	: 100 µg/g
Copper (Cu)	: 100 µg/g
Iron (Fe)	: 100 µg/g
Magnesium (Mg)	: 100 µg/g
Manganese (Mn)	: 100 µg/g
Molybdenum (Mo)	: 100 µg/g
Sodium (Na)	: 100 µg/g
Nickel (Ni)	: 100 µg/g
Phosphorus (P)	: 100 µg/g
Lead (Pb)	: 100 µg/g
Silicon (Si)	: 100 µg/g
Tin (Sn)	: 100 µg/g
Titanium (Ti)	: 100 µg/g
Vanadium (V)	: 100 µg/g
Zinc (Zn)	: 100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13504.0100	100 g	GVB

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

V21 Wear Metal (21E) Standard solution — CL11.13503

*High quality standard sol. for ICP, RDE Contains 50 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 50 µg/g
Aluminium (Al)	: 50 µg/g
Boron (B)	: 50 µg/g
Barium (Ba)	: 50 µg/g
Calcium (Ca)	: 50 µg/g
Cadmium (Cd)	: 50 µg/g
Chromium (Cr)	: 50 µg/g
Copper (Cu)	: 50 µg/g
Iron (Fe)	: 50 µg/g
Magnesium (Mg)	: 50 µg/g
Manganese (Mn)	: 50 µg/g
Molybdenum (Mo)	: 50 µg/g
Sodium (Na)	: 50 µg/g
Nickel (Ni)	: 50 µg/g
Phosphorus (P)	: 50 µg/g
Lead (Pb)	: 50 µg/g
Silicon (Si)	: 50 µg/g
Tin (Sn)	: 50 µg/g
Titanium (Ti)	: 50 µg/g
Vanadium (V)	: 50 µg/g
Zinc (Zn)	: 50 µg/g

Art. Nr.	Pack	Pack Type
CL11.13503.0100	100 g	PE

V21 Wear Metal (21E) Standard solution — CL11.13502

*High quality standard sol. for ICP, RDE Contains 30 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 30 µg/g
Aluminium (Al)	: 30 µg/g
Boron (B)	: 30 µg/g
Barium (Ba)	: 30 µg/g
Calcium (Ca)	: 30 µg/g
Cadmium (Cd)	: 30 µg/g
Chromium (Cr)	: 30 µg/g
Copper (Cu)	: 30 µg/g
Iron (Fe)	: 30 µg/g
Magnesium (Mg)	: 30 µg/g
Manganese (Mn)	: 30 µg/g
Molybdenum (Mo)	: 30 µg/g
Sodium (Na)	: 30 µg/g
Nickel (Ni)	: 30 µg/g
Phosphorus (P)	: 30 µg/g
Lead (Pb)	: 30 µg/g
Silicon (Si)	: 30 µg/g
Tin (Sn)	: 30 µg/g
Titanium (Ti)	: 30 µg/g
Vanadium (V)	: 30 µg/g
Zinc (Zn)	: 30 µg/g

Art. Nr.	Pack	Pack Type
CL11.13502.0100	100 g	PE

V21 Wear Metal (21E) Standard solution — CL11.13501

*High quality standard sol. for ICP, RDE Contains 10 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 10 µg/g
Aluminium (Al)	: 10 µg/g
Boron (B)	: 10 µg/g
Barium (Ba)	: 10 µg/g
Calcium (Ca)	: 10 µg/g
Cadmium (Cd)	: 10 µg/g
Chromium (Cr)	: 10 µg/g
Copper (Cu)	: 10 µg/g
Iron (Fe)	: 10 µg/g
Magnesium (Mg)	: 10 µg/g
Manganese (Mn)	: 10 µg/g
Molybdenum (Mo)	: 10 µg/g
Sodium (Na)	: 10 µg/g
Nickel (Ni)	: 10 µg/g
Phosphorus (P)	: 10 µg/g
Lead (Pb)	: 10 µg/g
Silicon (Si)	: 10 µg/g
Tin (Sn)	: 10 µg/g
Titanium (Ti)	: 10 µg/g
Vanadium (V)	: 10 µg/g
Zinc (Zn)	: 10 µg/g

Art. Nr.	Pack	Pack Type
CL11.13501.0100	100 g	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

V21+K Wear Metal (22E) Standard solution — CL11.13512

*High quality standard sol. for ICP, RDE — Contains 500 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 500 µg/g	Phosphorus (P)	: 500 µg/g
Aluminium (Al)	: 500 µg/g	Lead (Pb)	: 500 µg/g
Boron (B)	: 500 µg/g	Silicon (Si)	: 500 µg/g
Barium (Ba)	: 500 µg/g	Tin (Sn)	: 500 µg/g
Calcium (Ca)	: 500 µg/g	Titanium (Ti)	: 500 µg/g
Cadmium (Cd)	: 500 µg/g	Vanadium (V)	: 500 µg/g
Chromium (Cr)	: 500 µg/g	Zinc (Zn)	: 500 µg/g
Copper (Cu)	: 500 µg/g	Potassium (K)	: 500 µg/g
Iron (Fe)	: 500 µg/g		
Magnesium (Mg)	: 500 µg/g		
Manganese (Mn)	: 500 µg/g		
Molybdenum (Mo)	: 500 µg/g		
Sodium (Na)	: 500 µg/g		
Nickel (Ni)	: 500 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13512.0100	100 g	PE

V21+K Wear Metal (22E) Standard solution — CL11.13511

*High quality standard sol. for ICP, RDE — Contains 300 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 300 µg/g	Phosphorus (P)	: 300 µg/g
Aluminium (Al)	: 300 µg/g	Lead (Pb)	: 300 µg/g
Boron (B)	: 300 µg/g	Silicon (Si)	: 300 µg/g
Barium (Ba)	: 300 µg/g	Tin (Sn)	: 300 µg/g
Calcium (Ca)	: 300 µg/g	Titanium (Ti)	: 300 µg/g
Cadmium (Cd)	: 300 µg/g	Vanadium (V)	: 300 µg/g
Chromium (Cr)	: 300 µg/g	Zinc (Zn)	: 300 µg/g
Copper (Cu)	: 300 µg/g	Potassium (K)	: 300 µg/g
Iron (Fe)	: 300 µg/g		
Magnesium (Mg)	: 300 µg/g		
Manganese (Mn)	: 300 µg/g		
Molybdenum (Mo)	: 300 µg/g		
Sodium (Na)	: 300 µg/g		
Nickel (Ni)	: 300 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13511.0100	100 g	PE

V21+K Wear Metal (22E) Standard solution — CL11.13510

*High quality standard sol. for ICP, RDE — Contains 100 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 100 µg/g	Phosphorus (P)	: 100 µg/g
Aluminium (Al)	: 100 µg/g	Lead (Pb)	: 100 µg/g
Boron (B)	: 100 µg/g	Silicon (Si)	: 100 µg/g
Barium (Ba)	: 100 µg/g	Tin (Sn)	: 100 µg/g
Calcium (Ca)	: 100 µg/g	Titanium (Ti)	: 100 µg/g
Cadmium (Cd)	: 100 µg/g	Vanadium (V)	: 100 µg/g
Chromium (Cr)	: 100 µg/g	Zinc (Zn)	: 100 µg/g
Copper (Cu)	: 100 µg/g	Potassium (K)	: 100 µg/g
Iron (Fe)	: 100 µg/g		
Magnesium (Mg)	: 100 µg/g		
Manganese (Mn)	: 100 µg/g		
Molybdenum (Mo)	: 100 µg/g		
Sodium (Na)	: 100 µg/g		
Nickel (Ni)	: 100 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13510.0100	100 g	PE

V21+K Wear Metal (22E) Standard solution — CL11.13509

*High quality standard sol. for ICP, RDE Contains 50 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 50 µg/g	Phosphorus (P)	: 50 µg/g
Aluminium (Al)	: 50 µg/g	Lead (Pb)	: 50 µg/g
Boron (B)	: 50 µg/g	Silicon (Si)	: 50 µg/g
Barium (Ba)	: 50 µg/g	Tin (Sn)	: 50 µg/g
Calcium (Ca)	: 50 µg/g	Titanium (Ti)	: 50 µg/g
Cadmium (Cd)	: 50 µg/g	Vanadium (V)	: 50 µg/g
Chromium (Cr)	: 50 µg/g	Zinc (Zn)	: 50 µg/g
Copper (Cu)	: 50 µg/g	Potassium (K)	: 50 µg/g
Iron (Fe)	: 50 µg/g		
Magnesium (Mg)	: 50 µg/g		
Manganese (Mn)	: 50 µg/g		
Molybdenum (Mo)	: 50 µg/g		
Sodium (Na)	: 50 µg/g		
Nickel (Ni)	: 50 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13509.0100	100 g	PE

V21+K Wear Metal (22E) Standard solution — CL11.13508

*High quality standard sol. for ICP, RDE Contains 30 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 30 µg/g	Phosphorus (P)	: 30 µg/g
Aluminium (Al)	: 30 µg/g	Lead (Pb)	: 30 µg/g
Boron (B)	: 30 µg/g	Silicon (Si)	: 30 µg/g
Barium (Ba)	: 30 µg/g	Tin (Sn)	: 30 µg/g
Calcium (Ca)	: 30 µg/g	Titanium (Ti)	: 30 µg/g
Cadmium (Cd)	: 30 µg/g	Vanadium (V)	: 30 µg/g
Chromium (Cr)	: 30 µg/g	Zinc (Zn)	: 30 µg/g
Copper (Cu)	: 30 µg/g	Potassium (K)	: 30 µg/g
Iron (Fe)	: 30 µg/g		
Magnesium (Mg)	: 30 µg/g		
Manganese (Mn)	: 30 µg/g		
Molybdenum (Mo)	: 30 µg/g		
Sodium (Na)	: 30 µg/g		
Nickel (Ni)	: 30 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13508.0100	100 g	PE

V21+K Wear Metal (22E) Standard solution — CL11.13507

*High quality standard sol. for ICP, RDE Contains 10 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 10 µg/g	Phosphorus (P)	: 10 µg/g
Aluminium (Al)	: 10 µg/g	Lead (Pb)	: 10 µg/g
Boron (B)	: 10 µg/g	Silicon (Si)	: 10 µg/g
Barium (Ba)	: 10 µg/g	Tin (Sn)	: 10 µg/g
Calcium (Ca)	: 10 µg/g	Titanium (Ti)	: 10 µg/g
Cadmium (Cd)	: 10 µg/g	Vanadium (V)	: 10 µg/g
Chromium (Cr)	: 10 µg/g	Zinc (Zn)	: 10 µg/g
Copper (Cu)	: 10 µg/g	Potassium (K)	: 10 µg/g
Iron (Fe)	: 10 µg/g		
Magnesium (Mg)	: 10 µg/g		
Manganese (Mn)	: 10 µg/g		
Molybdenum (Mo)	: 10 µg/g		
Sodium (Na)	: 10 µg/g		
Nickel (Ni)	: 10 µg/g		

Art. Nr.	Pack	Pack Type
CL11.13507.0100	100 g	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

V23 Wear Metal (23E) Standard solution — CL11.13518

*High quality standard sol. for ICP, RDE — Contains 500 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 500 µg/g
Aluminium (Al)	: 500 µg/g
Boron (B)	: 500 µg/g
Barium (Ba)	: 500 µg/g
Calcium (Ca)	: 500 µg/g
Cadmium (Cd)	: 500 µg/g
Chromium (Cr)	: 500 µg/g
Copper (Cu)	: 500 µg/g
Iron (Fe)	: 500 µg/g
Magnesium (Mg)	: 500 µg/g
Manganese (Mn)	: 500 µg/g
Molybdenum (Mo)	: 500 µg/g
Sodium (Na)	: 500 µg/g
Nickel (Ni)	: 500 µg/g

Phosphorus (P)	: 500 µg/g
Lead (Pb)	: 500 µg/g
Silicon (Si)	: 500 µg/g
Tin (Sn)	: 500 µg/g
Titanium (Ti)	: 500 µg/g
Vanadium (V)	: 500 µg/g
Zinc (Zn)	: 500 µg/g
Potassium (K)	: 500 µg/g
Antimony (Sb)	: 500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13518.0100	100 g	PE

V23 Wear Metal (23E) Standard solution — CL11.13517

*High quality standard sol. for ICP, RDE — Contains 300 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 300 µg/g
Aluminium (Al)	: 300 µg/g
Boron (B)	: 300 µg/g
Barium (Ba)	: 300 µg/g
Calcium (Ca)	: 300 µg/g
Cadmium (Cd)	: 300 µg/g
Chromium (Cr)	: 300 µg/g
Copper (Cu)	: 300 µg/g
Iron (Fe)	: 300 µg/g
Magnesium (Mg)	: 300 µg/g
Manganese (Mn)	: 300 µg/g
Molybdenum (Mo)	: 300 µg/g
Sodium (Na)	: 300 µg/g
Nickel (Ni)	: 300 µg/g

Phosphorus (P)	: 300 µg/g
Lead (Pb)	: 300 µg/g
Silicon (Si)	: 300 µg/g
Tin (Sn)	: 300 µg/g
Titanium (Ti)	: 300 µg/g
Vanadium (V)	: 300 µg/g
Zinc (Zn)	: 300 µg/g
Potassium (K)	: 300 µg/g
Antimony (Sb)	: 300 µg/g

Art. Nr.	Pack	Pack Type
CL11.13517.0100	100 g	PE

V23 Wear Metal (23E) Standard solution — CL11.13516

*High quality standard sol. for ICP, RDE — Contains 100 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 100 µg/g
Aluminium (Al)	: 100 µg/g
Boron (B)	: 100 µg/g
Barium (Ba)	: 100 µg/g
Calcium (Ca)	: 100 µg/g
Cadmium (Cd)	: 100 µg/g
Chromium (Cr)	: 100 µg/g
Copper (Cu)	: 100 µg/g
Iron (Fe)	: 100 µg/g
Magnesium (Mg)	: 100 µg/g
Manganese (Mn)	: 100 µg/g
Molybdenum (Mo)	: 100 µg/g
Sodium (Na)	: 100 µg/g
Nickel (Ni)	: 100 µg/g

Phosphorus (P)	: 100 µg/g
Lead (Pb)	: 100 µg/g
Silicon (Si)	: 100 µg/g
Tin (Sn)	: 100 µg/g
Titanium (Ti)	: 100 µg/g
Vanadium (V)	: 100 µg/g
Zinc (Zn)	: 100 µg/g
Potassium (K)	: 100 µg/g
Antimony (Sb)	: 100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13516.0100	100 g	PE

V23 Wear Metal (23E) Standard solution — CL11.13515

*High quality standard sol. for ICP, RDE — Contains 50 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 50 µg/g
Aluminium (Al)	: 50 µg/g
Boron (B)	: 50 µg/g
Barium (Ba)	: 50 µg/g
Calcium (Ca)	: 50 µg/g
Cadmium (Cd)	: 50 µg/g
Chromium (Cr)	: 50 µg/g
Copper (Cu)	: 50 µg/g
Iron (Fe)	: 50 µg/g
Magnesium (Mg)	: 50 µg/g
Manganese (Mn)	: 50 µg/g
Molybdenum (Mo)	: 50 µg/g
Sodium (Na)	: 50 µg/g
Nickel (Ni)	: 50 µg/g

Phosphorus (P)	: 50 µg/g
Lead (Pb)	: 50 µg/g
Silicon (Si)	: 50 µg/g
Tin (Sn)	: 50 µg/g
Titanium (Ti)	: 50 µg/g
Vanadium (V)	: 50 µg/g
Zinc (Zn)	: 50 µg/g
Potassium (K)	: 50 µg/g
Antimony (Sb)	: 50 µg/g

Art. Nr.	Pack	Pack Type
CL11.13515.0100	100 g	PE

V23 Wear Metal (23E) Standard solution — CL11.13514

*High quality standard sol. for ICP, RDE — Contains 30 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 30 µg/g
Aluminium (Al)	: 30 µg/g
Boron (B)	: 30 µg/g
Barium (Ba)	: 30 µg/g
Calcium (Ca)	: 30 µg/g
Cadmium (Cd)	: 30 µg/g
Chromium (Cr)	: 30 µg/g
Copper (Cu)	: 30 µg/g
Iron (Fe)	: 30 µg/g
Magnesium (Mg)	: 30 µg/g
Manganese (Mn)	: 30 µg/g
Molybdenum (Mo)	: 30 µg/g
Sodium (Na)	: 30 µg/g
Nickel (Ni)	: 30 µg/g

Phosphorus (P)	: 30 µg/g
Lead (Pb)	: 30 µg/g
Silicon (Si)	: 30 µg/g
Tin (Sn)	: 30 µg/g
Titanium (Ti)	: 30 µg/g
Vanadium (V)	: 30 µg/g
Zinc (Zn)	: 30 µg/g
Potassium (K)	: 30 µg/g
Antimony (Sb)	: 30 µg/g

Art. Nr.	Pack	Pack Type
CL11.13514.0100	100 g	PE

V23 Wear Metal (23E) Standard solution — CL11.13513

*High quality standard sol. for ICP, RDE — Contains 10 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Silver (Ag)	: 10 µg/g
Aluminium (Al)	: 10 µg/g
Boron (B)	: 10 µg/g
Barium (Ba)	: 10 µg/g
Calcium (Ca)	: 10 µg/g
Cadmium (Cd)	: 10 µg/g
Chromium (Cr)	: 10 µg/g
Copper (Cu)	: 10 µg/g
Iron (Fe)	: 10 µg/g
Magnesium (Mg)	: 10 µg/g
Manganese (Mn)	: 10 µg/g
Molybdenum (Mo)	: 10 µg/g
Sodium (Na)	: 10 µg/g
Nickel (Ni)	: 10 µg/g

Phosphorus (P)	: 10 µg/g
Lead (Pb)	: 10 µg/g
Silicon (Si)	: 10 µg/g
Tin (Sn)	: 10 µg/g
Titanium (Ti)	: 10 µg/g
Vanadium (V)	: 10 µg/g
Zinc (Zn)	: 10 µg/g
Potassium (K)	: 10 µg/g
Antimony (Sb)	: 10 µg/g

Art. Nr.	Pack	Pack Type
CL11.13513.0100	100 g	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Metal Additives (3E) Standard solution - MA3 — CL11.13519

*High quality standard sol. for ICP, RDE — Solution contains stated concentration in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Calcium (Ca)	: 5.000 µg/g
Phosphorus (P)	: 1.600 µg/g
Zinc (Zn)	: 1.600 µg/g

Art. Nr.	Pack	Pack Type
CL11.13519.0100	100 g	PE

Metal Additives (4E) Standard solution - MA4 — CL11.13520

*High quality standard sol. for ICP, RDE — Solution contains stated concentration in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Calcium (Ca)	: 5.000 µg/g
Magnesium (Mg)	: 1.600 µg/g
Phosphorus (P)	: 1.600 µg/g
Zinc (Zn)	: 1.600 µg/g

Art. Nr.	Pack	Pack Type
CL11.13520.0100	100 g	PE

Metal Additives (5E) Standard solution - MA5 — CL11.13524

*High quality standard sol. for ICP, RDE — Contains 5000 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Barium (Ba)	: 5.000 µg/g
Calcium (Ca)	: 5.000 µg/g
Magnesium (Mg)	: 5.000 µg/g
Phosphorus (P)	: 5.000 µg/g
Zinc (Zn)	: 5.000 µg/g

Art. Nr.	Pack	Pack Type
CL11.13524.0100	100 g	PE

Metal Additives (5E) Standard solution - MA5 — CL11.13523

*High quality standard sol. for ICP, RDE — Contains 3000 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Barium (Ba)	: 3.000 µg/g
Calcium (Ca)	: 3.000 µg/g
Magnesium (Mg)	: 3.000 µg/g
Phosphorus (P)	: 3.000 µg/g
Zinc (Zn)	: 3.000 µg/g

Art. Nr.	Pack	Pack Type
CL11.13523.0100	100 g	PE

Metal Additives (5E) Standard solution - MA5 — CL11.13001

*High quality standard sol. for ICP, RDE — Contains 2500 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Barium (Ba)	: 2500 µg/g
Calcium (Ca)	: 2500 µg/g
Magnesium (Mg)	: 2500 µg/g
Phosphorus (P)	: 2500 µg/g
Zinc (Zn)	: 2500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13001.0100	100 g	PE

Metal Additives (5E) Standard solution - MA5 — CL11.13522

*High quality standard sol. for ICP, RDE — Contains 1000 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Barium (Ba)	: 1000 µg/g
Calcium (Ca)	: 1000 µg/g
Magnesium (Mg)	: 1000 µg/g
Phosphorus (P)	: 1000 µg/g
Zinc (Zn)	: 1000 µg/g

Art. Nr.	Pack	Pack Type
CL11.13522.0100	100 g	PE

Metal Additives (5E) Standard solution - MA5 — CL11.13521

*High quality standard sol. for ICP, RDE — Contains 900 µg/g in 75 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Barium (Ba)	: 900 µg/g
Calcium (Ca)	: 900 µg/g
Magnesium (Mg)	: 900 µg/g
Phosphorus (P)	: 900 µg/g
Zinc (Zn)	: 900 µg/g

Art. Nr.	Pack	Pack Type
CL11.13521.0100	100 g	PE

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

3.2-7

3 Petroleum, Food & Biodiesel Standards

Cross-Reference Table To Match Other Methods For Known Petrochemical Analysis

ANALYSIS	ASTM	IP	ISO	DIN	JIS	AFNOR
Tag Flash Point	D56			51411	K 2580	M07-003
Distillation	D86	123	3405	51751	K 2254	M07-002
COC Flash Point	D92	36	2592	51376	k 2265	T60-118
PMCC Flash Point	D93	34	2719	51758	K 2265	M07-019
Kinematic Viscosity	D445	71-1	3104	51562	K 2283	T60-100
Aniline Point	D611	2	2977	51775		M07-021
Hydrocarbon Types by FID	D1319	156	3837	51791	K 2536	M07-024
Water (Karl Fischer)	D1744		6296			T60-154
Freezing Point	D2386	16	3013	51421	K 2276	M07-048
Cloud Point	D2500	219	3015	51597	K 2269	T60-105
Sulfur by XRF	D2622			54100T6	K 2541	
Boiling Range by GC	D2887		3924			
Sulfur by Oxidative Microcoulometry	D3120		16591			
Lead by AAS	D3237	428				
Sulfur by Oxidative Microcoulometry	D3246	373				M07-052
Metals by AA	D3605	413	8691	51790T3		
Benzene by GC	D3606	425				
Sulfur by ED-XRF	D4294	336	8754			M07-053
Water (Karl Fischer)	D4377	356	10336			
Metals by AA	D4628	308		51391T1		
Nitrogen by Chemiluminescence Detection	D4629	379				M07-058
Metals by WD-XRF	D4927	407		51391T2		
Water (Karl Fischer)	D4928	386	10337			
Lead in Gas By X-Ray	D5059	228				
Vapor Pressure	D5191	394				M07-079
Oxygenates	D5599	408				
Cloud Point	D5771	444				
Cloud Point	D5772	445				
Cloud Point	D5773	446				
Freezing Point	D5901	434				
Auto-Freeze Point	D5972	435				
Hydrocarbons Automatic	D6379	436				
Hydrocarbons Automatic	D6591	391				
Metals			14597			

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Table Of Contents ASTM

D5186	Aromatics by SFC
D5188	Vapor – Liquid Ratio Temperature
D5191	Vapor Pressure Standards
D5307	Boiling Range Distribution of Crude Petroleum by GC
D7169	Boiling Point Distribution of Samples with Residues Such as Crude Oils and Atmospheric and Vacuum Residues by High Temperature GC
D5441	MTBE Analysis by GC
D5442	Petroleum Waxes by GC
D5443	PNA Analysis by Multidimensional GC
D5453	Sulfur by Ultra Violet Fluorescence
D5480	Engine Oil Volatilty by GC
D5482	Vapor Pressure Standards
D5501	Ethanol Analysis by GC
D5580	Aromatics by GC
D5599	Oxygenates by OFID
D5600	Trace Metals by ICP
D5622	Oxygenates by Reductive Pyrolysis
D5623	Sulfur Compounds by Sulfur Selective Detection
D5708	Trace metals by ICP
D5762	Nitrogen by Chemiluminescence
D5769	Aromatics by GC/MS
D5771	Cloud Point of Petro Products
D5772	Cloud Point of Petro Products (Linear Cooling Rate)
D5773	Cloud Point of Petro Products (Constant Cooling Rate)
D5836	Diisocyanates
D5863	Ni, V, Fe & Na in Crude Oils and Residual Fuels by AA
D5972	Freezing Point Aviation Fuels
D5986	Oxygenates and Aromatics by GC/FTIR
D6042	Plastic Packaging Testing
D6160	PCB's by GC
D6258	Solvent Red 164 Dye Concentration in Diesel Fuels
D6293	Oxygenates (O-PONA) in Engine Fuels by GC
D6839	Hydrocarbon Types, Oxygenated Compounds and Benzene in Spark Ignition Engine Fuels by GC
D6296	Total Olefins in Spark Ignition Engine Fuels by GC
D6304	Water in Liquid Petro Products
D6334	Sulfur in Gasoline by Wavelenght WD-XRF
D6352	Boiling Range Distribution of Petroleum
D6378	Vapor Pressure
D6379	Aromatics Hydrocarbon by HPLC
D6417	Engine Oil by GC
D6428	Sulfur by ECD
D6443	Metals in Oil
D6445	Sulfur in Gasoline by ED-XRF
D6481	Lube Oils by ED-XRF
D6550	Olefin Content of Gasoline by SFC
D6584	(EN14105) Free and Total Glycerin
D6591	(IP 391) Aromatic Hydrocarbon by HPLC
D6751	Sulfur in Biodiesel
D7065	Nonylphenol and Octylphenol
D7485	Nonylphenol and Octylphenol
E1064	Water in Petroleum
E1387	Fire Debris Analysis
E1618	Fire Debris Analysis

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-2622, D-4294, D-7093, D-7212 and D-7220
Sulfur Standards in Matrix Oil 20 cSt

Sulfur

Sulfur	50000 µg/g S (5%) in standard matrix oil 20 cSt	100 ml	CL11.2663.0100
Sulfur	40000 µg/g S (4%) in standard matrix oil 20 cSt	100 ml	CL11.2662.0100
Sulfur	30000 µg/g S (3%) in standard matrix oil 20 cSt	100 ml	CL11.2661.0100
Sulfur	20000 µg/g S (2%) in standard matrix oil 20 cSt	100 ml	CL11.2660.0100
Sulfur	10000 µg/g S (1%) in standard matrix oil 20 cSt	100 ml	CL11.2659.0100
Sulfur	7500 µg/g S (0.75%) in standard matrix oil 20 cSt	100 ml	CL11.2658.0100
Sulfur	5000 µg/g S (0.5%) in standard matrix oil 20 cSt	100 ml	CL11.2657.0100
Sulfur	3000 µg/g S (0.3%) in standard matrix oil 20 cSt	100 ml	CL11.2656.0100
Sulfur	1500 µg/g S (0.15%) in standard matrix oil 20 cSt	100 ml	CL11.2655.0100
Sulfur	1000 µg/g S (0.1%) in standard matrix oil 20 cSt	100 ml	CL11.2654.0100
Sulfur	750 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2653.0100
Sulfur	500 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2652.0100
Sulfur	400 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2651.0100
Sulfur	300 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2650.0100
Sulfur	200 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2649.0100
Sulfur	100 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2648.0100
Sulfur	75 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2647.0100
Sulfur	50 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2637.0100
Sulfur	25 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2636.0100
Sulfur	20 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2635.0100
Sulfur	15 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2634.0100
Sulfur	10 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2633.0100
Sulfur	5 µg/g S in standard matrix oil 20 cSt	100 ml	CL11.2632.0100

Sulfur blank

Sulfur blank	Standard matrix oil 20 cSt	100 ml	CL11.2631.0100

ASTM D-2622, D-4294, D-7093, D-7212 and D-7220
Sulfur Standards in Matrix Oil 75 cSt

Sulfur

Sulfur	228.1 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2606.0100
Sulfur	136.86 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2605.0100
Sulfur	91.24 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2604.0100
Sulfur	45.62 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2603.0100
Sulfur	11.405 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2602.0100
Sulfur	4.562 g C8H18S / kg Standard matrix oil 75 cSt	100 ml	CL11.2601.0100
Sulfur	100 µg/g S in standard matrix oil 75 cSt	100 ml	CL11.2672.0100

Sulfur blank

Sulfur blank	Standard matrix oil 75 cSt	50 g	CL11.2600.0050

ASTM D-2622, D-3120, D-3246, D-4294, D-5453 and others
Sulfur Standards in Isooctane

Sulfur

Sulfur	1000 µg/g S (0.1%) in iso-Octane	100 ml	CL11.5207.0100
Sulfur	750 µg/g S in iso-Octane	100 ml	CL11.5206.0100
Sulfur	500 µg/g S in iso-Octane	100 ml	CL11.5205.0100
Sulfur	250 µg/g S in iso-Octane	100 ml	CL11.5204.0100
Sulfur	200 µg/g S in iso-Octane	100 ml	CL11.5218.0100
Sulfur	150 µg/g S in iso-Octane	100 ml	CL11.5217.0100
Sulfur	100 µg/g S in iso-Octane	100 ml	CL11.5203.0100
Sulfur	50 µg/g S in iso-Octane	100 ml	CL11.5202.0100
Sulfur	30 µg/g S in iso-Octane	100 ml	CL11.5216.0100
Sulfur	25 µg/g S in iso-Octane	100 ml	CL11.5201.0100
Sulfur	20 µg/g S in iso-Octane	100 ml	CL11.5215.0100
Sulfur	10 µg/g S in iso-Octane	100 ml	CL11.2699.0100
Sulfur	5 µg/g S in iso-Octane	100 ml	CL11.2698.0100
Sulfur	0 µg/g S (0%) in iso-Octane	100 ml	CL11.2697.0100

ASTM D-2622, D-3120, D-3246, D-4294, D-5453 and others
Sulfur Standards in Isooctane (Kits)

Total Sulfur

Total Sulfur	Kit contains 100, 250, 500, 750, 1000 µg/g S in iso-Octane	1 pck	CL48.2001.0001
Total Sulfur	Kit contains 5, 25, 50, 100, 200 µg/g in iso-Octane	1 pck	CL48.2002.0001
Total Sulfur	Kit contains 1.0, 2.5, 5.0, 7.5, 10.0 µg/g S in iso-Octane	1 pck	CL48.2003.0001
Total Sulfur	Kit contains 0.1, 0.5, 1.0, 2.5, 5.0, 10 µg/g S in iso-Octane	1 pck	CL48.2004.0001

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-2622, D-3120, D-4294, D-5453, D-6334, D-6445 and others
Sulfur Standards in Kerosene

Sulfur

Sulfur	2000 µg/g S in Kerosene	100 ml	CL11.2693.0100
Sulfur	1000 µg/g S in Kerosene	100 ml	CL11.2617.0100
Sulfur	750 µg/g S in Kerosene	100 ml	CL11.2616.0100
Sulfur	500 µg/g S in Kerosene	100 ml	CL11.2615.0100
Sulfur	300 µg/g S in Kerosene	100 ml	CL11.2614.0100
Sulfur	100 µg/g S in Kerosene	100 ml	CL11.2613.0100
Sulfur	50 µg/g S in Kerosene	100 ml	CL11.2612.0100
Sulfur	10 µg/g S in Kerosene	100 ml	CL11.2611.0100

Sulfur blank

Sulfur blank	Kerosene matrix blank	100 ml	CL11.2610.0100

ASTM D-2622, D-4294, D-7093, D-7212 and D-7220
Sulfur Standards in Diesel Fuel

Sulfur

Sulfur	5000 µg/g S (0.5%) in diesel oil	100 ml	CL11.5214.0100
Sulfur	4000 µg/g S (0.4%) in diesel oil	100 ml	CL11.5213.0100
Sulfur	3000 µg/g S (0.3%) in diesel oil	100 ml	CL11.2692.0100
Sulfur	2500 µg/g S (0.25%) in diesel oil	100 ml	CL11.5212.0100
Sulfur	1500 µg/g S in diesel oil	100 ml	CL11.2691.0100
Sulfur	1000 µg/g S (0.1%) in diesel oil	100 ml	CL11.2690.0100
Sulfur	750 µg/g S in diesel oil	100 ml	CL11.2689.0100
Sulfur	500 µg/g S in diesel oil	100 ml	CL11.2688.0100
Sulfur	400 µg/g S in diesel oil	100 ml	CL11.2694.0100
Sulfur	250 µg/g S in diesel oil	100 ml	CL11.5211.0100
Sulfur	100 µg/g S in diesel oil	100 ml	CL11.2687.0100
Sulfur	50 µg/g S in diesel oil	100 ml	CL11.2686.0100
Sulfur	25 µg/g S in diesel oil	100 ml	CL11.5210.0100
Sulfur	10 µg/g S in diesel oil	100 ml	CL11.5209.0100
Sulfur	5 µg/g S in diesel oil	100 ml	CL11.5208.0100
Sulfur	0 µg/g S Diesel oil	100 ml	CL11.2685.0100

Tailor Made Mixtures can be formulated to meet your special applications.

ASTM D-2622, D-4294, D-7093, D-7212 and D-7220 Polysulfide Standards in Oil

Sulfur

Sulfur	Solution contains 1000 µg/g of S (±5 µg/g - 20°C)	1 l	CL11.2646.1000
Sulfur	Solution contains 500 µg/g of S (±5 µg/g - 20°C)	1 l	CL11.2645.1000
Sulfur	Solution contains 250 µg/g of S (±2.5 µg/g - 20°C)	1 l	CL11.2644.1000
Sulfur	Solution contains 100 µg/g of S (±1 µg/g - 20°C)	1 l	CL11.2643.1000
Sulfur	Solution contains 25 µg/g of S (±0.25 µg/g - 20°C)	1 l	CL11.2642.1000
Sulfur	Solution contains 10 µg/g of S (±0.1 µg/g - 20°C)	1 l	CL11.2641.1000
Sulfur	Solution contains 5 µg/g of S (±0.05 µg/g - 20°C)	1 l	CL11.2640.1000

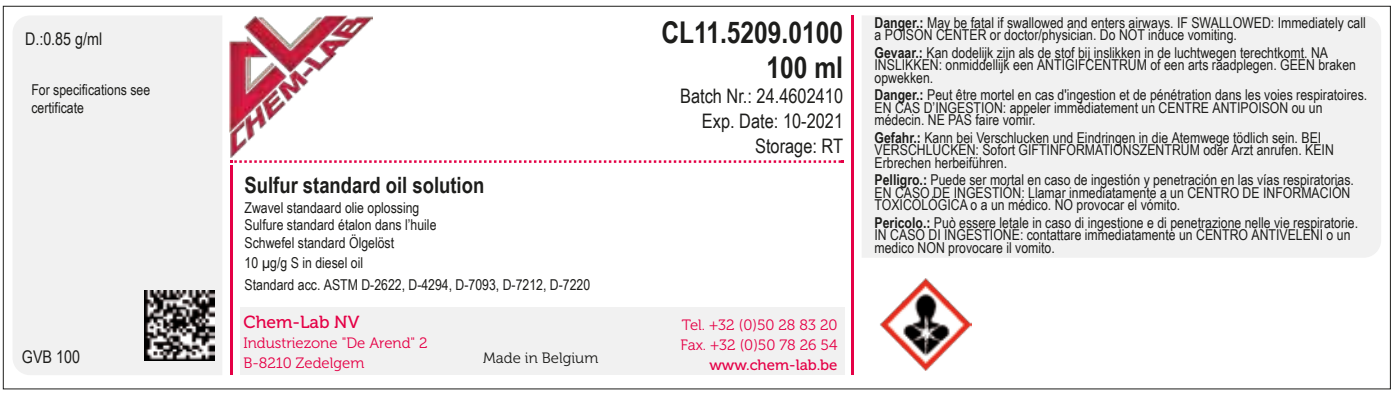
Sulfur blank

Sulfur blank	Polysulfide Oil Blank	1 l	CL11.2607.1000

ASTM D-2622, D-4294, D-7093, D-7212 and D-7220 Polysulfide Standards in Oil (Kits)

Sulfur kit

Sulfur kit	Kit contains 0.1 ,0.5 ,1.0 ,1.5 ,2.0 ,2.5 ,3.0 ,3.5 ,4.0 ,4.5, 5.0 wt% S	1 pck	CL18.0002.0001
Sulfur kit	Kit contains 1, 2.5, 5, 10, 25, 50, 75, 100, 250, 500, 750, 1000 µg/g S	1 pck	CL18.0001.0001



Tailor Made Mixtures can be formulated to meet your special applications.

ASTM D-5762
Nitrogen in Isooctane Standards (Kits)

Nitrogen kit

Nitrogen kit	Kit contains 1, 2, 10, 20, 50,100, 200, 500, 1000 µg/ml N in iso-Octane	1 pck	CL48.1402.0001

ASTM D-4629
Trace Nitrogen by Combustion Standards

Nitrogen kit

Nitrogen kit	Kit contains 10, 25, 50, 75, 100 µg/ml N in iso-Octane	1 pck	CL48.1403.0001
Nitrogen kit	Kit contains 0.1, 0.5, 1.0, 2.5, 5.0, 10 µg/ml N in p-Xylene	1 pck	CL48.1404.0001

ASTM D-4929
Chlorine Standards

Chlorine

Chlorine	50000 µg/g Cl (5%) in Standard matrix oil 75 cSt	100 ml	CL11.0313.0100
Chlorine	10000 µg/g Cl (1%) in Standard matrix oil 75 cSt	100 ml	CL11.0312.0100
Chlorine	1000 µg/g Cl (0.1%) in Standard matrix oil 75 cSt	100 ml	CL11.0311.0100
Chlorine	500 µg/g Cl in Standard matrix oil 75 cSt	100 ml	CL11.0310.0100
Chlorine	100 µg/g Cl in Standard matrix oil 75 cSt	100 ml	CL11.0307.0100
Chlorine	10 µg/g Cl in Standard matrix oil 75 cSt	100 ml	CL11.0306.0100

Chlorine blank

Chlorine blank	0 µg/g Cl in Standard matrix oil 75 cSt	100 ml	CL11.0305.0100

ASTM D-5059
Lead Standards

Lead

Lead	Solution contains 1850 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1207.0100
Lead	Solution contains 1480 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1206.0100
Lead	Solution contains 1110 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1205.0100
Lead	Solution contains 740 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1204.0100
Lead	Solution contains 370 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1203.0100
Lead	Solution contains 111 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1214.0100
Lead	Solution contains 37 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1202.0100
Lead	Solution contains 37 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1213.0100
Lead	Solution contains 18,5 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1212.0100
Lead	Solution contains 3,70 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1211.0100
Lead	Solution contains 1,85 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1210.0100
Lead	Solution contains 0,37 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1208.0100

ASTM D-5059
Lead Standards

Lead blank

Lead blank	Solution contains 0 µg/g Pb(2+) in iso-Octane	100 ml	CL11.1201.0100

ASTM D-6304
Karl Fischer Water Standards

Water

Water	1,0% Water in 10W30 motor oil	100 ml	CL11.2304.0100
Water	0,5% Water in 10W30 motor oil	100 ml	CL11.2303.0100
Water	0,1% Water in 10W30 motor oil	100 ml	CL11.2302.0100
Water	Solvent blank (10W30 motor oil)	100 ml	CL11.2301.0100

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-4927, D-6481, D-6443 and others
Sulfur And Metals in Lubricating Oil Multi Element Standards

Lubricating oil (4E) standard solution — CL11.13550

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 100 µg/g	
P 1250 µg/g	
S 6000 µg/g	
Zn 600 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13550.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13548

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 50 µg/g	
P 0 µg/g	
S 5.500 µg/g	
Zn 1.400 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13548.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13546

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 750 µg/g	
P 2.250 µg/g	
S 5.000 µg/g	
Zn 1.500 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13546.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13549

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 1000 µg/g	
P 100 µg/g	
S 4.500 µg/g	
Zn 2.500 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13549.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13545

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 3.500 µg/g	
P 400 µg/g	
S 4.000 µg/g	
Zn 1.100 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13545.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13552

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 250 µg/g	
P 1.750 µg/g	
S 3.500 µg/g	
Zn 1.000 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13552.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13539

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 0 µg/g	
P 200 µg/g	
S 3.000 µg/g	
Zn 1.750 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13539.0100	100 ml	GVB

ASTM D-4927, D-6481, D-6443 and others
Sulfur And Metals in Lubricating Oil Multi Element Standards

Lubricating oil (4E) standard solution — CL11.13551

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 1500 µg/g	± 1 %
P 1000 µg/g	
S 2500 µg/g	
Zn 900 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13551.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13547

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 500 µg/g	± 1 %
P 1.500 µg/g	
S 2.000 µg/g	
Zn 2.000 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13547.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13542

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 4.000 µg/g	± 1 %
P 2.000 µg/g	
S 1.750 µg/g	
Zn 500 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13542.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13540

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 5.000 µg/g	± 1 %
P 300 µg/g	
S 1.500 µg/g	
Zn 700 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13540.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13544

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 2.500 µg/g	± 1 %
P 500 µg/g	
S 1.250 µg/g	
Zn 0 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13544.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13541

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 3.000 µg/g	± 1 %
P 600 µg/g	
S 1.000 µg/g	
Zn 1.300 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13541.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13543

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

Ca 2.000 µg/g	± 1 %
P 800 µg/g	
S 750 µg/g	
Zn 1.200 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13543.0100	100 ml	GVB

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-4927, D-6481, D-6443 and others
Sulfur And Metals in Lubricating Oil Multi Element Standards

Lubricating oil (4E) standard solution — CL11.13538

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 6.000 µg/g	
P 50 µg/g	
S 500 µg/g	
Zn 800 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13538.0100	100 ml	GVB

Lubricating oil (4E) standard solution — CL11.13537

Standard acc. ASTM D-4927, D-6481, D-6443 — Solution contains stated concentration in Lubricating oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Ca 0 µg/g	
P 0 µg/g	
S 0 µg/g	
Zn 0 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13537.0100	100 ml	GVB

Sulfur And Metals in Oil Multi Element Standards

Sulfur & Metals (4E) standard solution — CL11.13532

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Fe 50 µg/g	
Ni 40 µg/g	
S 55.000 µg/g	
V 400 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13532.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13536

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Fe 100 µg/g	
Ni 0 µg/g	
S 50000 µg/g	
V 50 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13536.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13529

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Fe 250 µg/g	
Ni 60 µg/g	
S 45.000 µg/g	
V 100 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13529.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13530

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Fe 350 µg/g	
Ni 30 µg/g	
S 40.000 µg/g	
V 200 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13530.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13531

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

	± 1 %
Fe 200 µg/g	
Ni 50 µg/g	
S 35.000 µg/g	
V 0 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13531.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13535

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 150 µg/g	± 1 %
Ni 70 µg/g	
S 30.000 µg/g	
V 25 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13535.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13526

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 400 µg/g	± 1 %
Ni 100 µg/g	
S 25.000 µg/g	
V 250 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13526.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13533

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 450 µg/g	± 1 %
Ni 20 µg/g	
S 20.000 µg/g	
V 300 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13533.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13534

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 500 µg/g	± 1 %
Ni 5 µg/g	
S 15.000 µg/g	
V 150 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13534.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13528

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 0 µg/g	± 1 %
Ni 80 µg/g	
S 10.000 µg/g	
V 350 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13528.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13527

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 300 µg/g	± 1 %
Ni 10 µg/g	
S 5.000 µg/g	
V 500 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13527.0100	100 ml	GVB

Sulfur & Metals (4E) standard solution — CL11.13525

*High quality standard sol. for XRF — Solution contains stated concentration in 20 cSt hydrocarbon oil

Density 0.85 g/ml
HS Nr 38220000

Fe 0 µg/g	± 1 %
Ni 0 µg/g	
S 0 µg/g	
V 0 µg/g	

Art. Nr.	Pack	Pack Type
CL11.13525.0100	100 ml	GVB

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Sulfur and Nitrogen Multi Element Standards (Kits)

Nitrogen - Sulfur kit in iso-Octane

CL48.1405

Standard acc. ASTM analysis of N & S

Kit contains (1.0 - 1.0), (5.0 - 5.0), (10 - 20), (15 - 35), (20 µg/ml S - 50 µg/ml N)

Density 0.69 g/ml
HS Nr 38220000

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

- Amp. 1: iso-Octane blank
- Amp. 2: 1 µg/ml S & 1 µg/ml N in iso-Octane
- Amp. 3: 5 µg/ml S & 5 µg/ml N in iso-Octane
- Amp. 4: 10 µg/ml S & 20 µg/ml N in iso-Octane
- Amp. 5: 15 µg/ml S & 35 µg/ml N in iso-Octane
- Amp. 6: 20 µg/ml S & 50 µg/ml N in iso-Octane

Volume: 2 ml ampules

Art. Nr.	Pack	Pack Type
CL48.1405.0001	1 pck	cart.box

ASTM D-5623
Sulfur Compounds in Isooctane/Toluene/n-Hexane

Sulfur Compounds Mix 2 (22C) standard solution

CL40.13749

Standard acc. ASTM D-5623

Solution contains 50 µg/g in iso-Octane/Toluene/n-Hexane (2/1/2)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- 2-Methyl 1 propanethiol (50 µg/g S)
- 2-Methylthiophene (50 µg/g S)
- 3-Methylthiophene (50 µg/g S)
- 1,2-Ethan dithiol (50 µg/g)
- 1-Pentanethiol (50 µg/g)
- 2-Ethylthiophene (50 µg/g)
- Propylsulfide (50 µg/g)
- T-Butyldisulfide (50 µg/g)
- 1,5-Pentanedithiol (50 µg/g)
- 1-Nonanethiol (50 µg/g)
- 1-Decathiol (50 µg/g)
- Propanethiol (50 µg/g)
- T-Butylsulfide (50 µg/g)
- 1-Heptanethiol (50 µg/g)
- 1,4-Butanedithiol (50 µg/g)
- Methyl ethyl sulfide (50 µg/g)
- Propyl disulfide (50 µg/g)
- 1-Octanethiol (50 µg/g)
- Benzothiophene (50 µg/g)
- 1-Hexanethiol (50 µg/g)
- Carbon disulfide (50 µg/g)
- Methyl sulfide (50 µg/g)

Art. Nr.	Pack	Pack Type
CL40.13749.0002	2 ml	AMP

Sulfur Compounds Mix 1 (14C) standard solution

CL40.13748

Standard acc. ASTM D-5623

Solution contains 100 µg/g in iso-Octane/Toluene/n-Hexane (2/1/2)

Density 0.66 g/ml
HS Nr 38220000

UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II

- Methanethiol (100 µg/g S)
- Ethanethiol (100 µg/g S)
- Dimethylsulfide (100 µg/g S)
- 2-Propanethiol (100 µg/g S)
- T-Butanethiol (100 µg/g S)
- 1-Propanethiol (100 µg/g S)
- Thiophene (100 µg/g S)
- Diethylsulfide (100 µg/g S)
- 1-Butanethiol (100 µg/g S)
- Diethyl disulfide (100 µg/g S)
- Thiophenol (100 µg/g S)
- Benzothiophene (100 µg/g S)
- Bromothiophene (100 µg/g S)
- Diphenyl sulfide (100 µg/g S)

Art. Nr.	Pack	Pack Type
CL40.13748.0002	2 ml	AMP

ASTM-6379
Aromatic Hydrocarbon

D-6379 Calibration kit in n-Heptane

CL48.0401

Standard acc. ASTM Method D-6379 -

Density 0.791 g/ml
HS Nr 38220000

UN 1206
ADR 3,II
IATA 3,II
IMDG 3,II

Volume: 1 ml ampules

Art. Nr.	Pack	Pack Type
CL48.0401.0001	1 pck	cart.box

ASTM D-3230
Salts in Crude Oil

Multi Element (3E) Standard solution — CL11.13026

*High quality standard sol. for ASTM D-3230 — Solution contains stated concentration in Butanol:Methanol (63:37)

Density 0.80 g/ml
HS Nr 38220000

UN 1993
ADR 3,III
IATA 3,III
IMDG 3,III

- CaCl2 10 µg/ml
- MgCl2 20 µg/ml
- NaCl 70 µg/ml

Art. Nr.	Pack	Pack Type
CL11.13026.0500	500 ml	PE/H

ASTM D-2887, D-7096, D-7169
Boiling Range Determination Standards

Boiling Range Determination (20C) standard solution — CL40.13752

Standard for ASTM D-2887 Quantitative Calibration — Solution contains stated concentration in Carbon disulfide

Mol.Weight 76.14 g/mol
Density 1.26 g/ml
HS Nr 38220000

UN 1131
ADR 3 (6.1),I
IATA 3 (6.1),I
IMDG 3 (6.1),I

HNrs H225-H319-H315-H361-H372
PNrs P210-P233-P280-P281-P302 + P352-P305 + P351 + P338-P314

DANGER.

- n-Decane (0,5 % w/w)
- n-Dodecane (0,5 % w/w)
- n-Dotriacontane (0,5 % w/w)
- n-Eicosane (0,5 % w/w)
- n-Heptadecane (0,5 % w/w)
- n-Heptane (0,5 % w/w)
- n-Hexadecane (1,0 % w/w)
- n-Hexane (0,5 % w/w)
- n-Hexatriacontane (0,5 % w/w)
- n-Nonane (0,5 % w/w)
- n-Octacosane (0,5 % w/w)
- n-Octadecane (1,0 % w/w)
- n-Octane (0,5 % w/w)
- n-Pentadecane (0,5 % w/w)
- n-Pentane (0,5 % w/w)
- n-Tetracontane (0,5 % w/w)
- n-Tetracosane (0,5 % w/w)
- n-Tetradecane (0,5 % w/w)
- n-Tetratetracontane (0,5 % w/w)
- n-Undecane (0,5 % w/w)

Art. Nr.	Pack	Pack Type
CL40.13752.0001	1 ml	AMP

Boiling Range Determination (16C) standard solution — CL40.13751

Standard for ASTM D-7096 Quantitative Calibration Mix — Solution contains stated concentration

Density 0.79 g/ml
HS Nr 38220000

UN 1993
ADR 3,II
IATA 3,II
IMDG 3,II

- Butylbenzene (3,5 % w/w)
- n-Decane (3,5 % w/w)
- 2,4-Dimethylpentane (5,8 % w/w)
- n-Dodecane (3,5 % w/w)
- n-Heptane (10,5 % w/w)
- n-Hexane (5,8 % w/w)
- 2-Methylbutane (10,5 % w/w)
- 2-Methylpentane (5,8 % w/w)
- n-Octane (5,8 % w/w)
- n-Pentadecane (2,3 % w/w)
- n-Pentane (8,1 % w/w)
- Propylbenzene (4,7 % w/w)
- n-Tetradecane (2,3 % w/w)
- Toluene (11,6 % w/w)
- n-Tridecane (2,3 % w/w)
- p-Xylene (14,0 % w/w)

Art. Nr.	Pack	Pack Type
CL40.13751.0001	1 ml	AMP

Boiling Range Determination (2C) standard solution — CL40.13750

Standard for ASTM D-2887 and D-7169 Column Resolution Test — Solution contains 1% (w/v) in n-Octane

Density 0.69 g/ml
HS Nr 38220000

UN 1262
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H304-H315-H336-H410
PNrs P210-P240-P273-P301 + P310-P331-P403 + P235

DANGER.

- Hexadecane
- Octadecane

Art. Nr.	Pack	Pack Type
CL40.13750.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-3798
p-Xylene Impurity Standards

p-Xylene Impurity Mix with ISTD (11C) standard solution

NEW CL40.13797

High quality standard solution for ASTM D-3798

Solution contains stated concentrations

Density 0.86 g/ml
HS Nr 38220000

UN 1307
ADR 3,III
IATA 3,III
IMDG 3,III

HNrs H226-H332-H312-H315
PNrs P302 + P352
WARNING.

n-Pentane (0.15 %w/w)
n-Octane (0.15 %w/w)
Benzene (0.15 %w/w)
Toluene (0.15 %w/w)
Ethylbenzene (0.15 %w/w)
p-Xylene (98.65 %w/w)
m-Xylene (0.15 %w/w)
o-Xylene (0.15 %w/w)
Cumene (0.15 %w/w)
Propylbenzene (0.15 %w/w)
n-Undecane ISTD (0.50 %w/w)

Art. Nr.	Pack	Pack Type
CL40.13797.0001	1 ml	AMP

p-Xylene Impurity Mix (10C) standard solution

NEW CL40.13798

High quality standard solution for ASTM D-3798

Solution contains stated concentrations

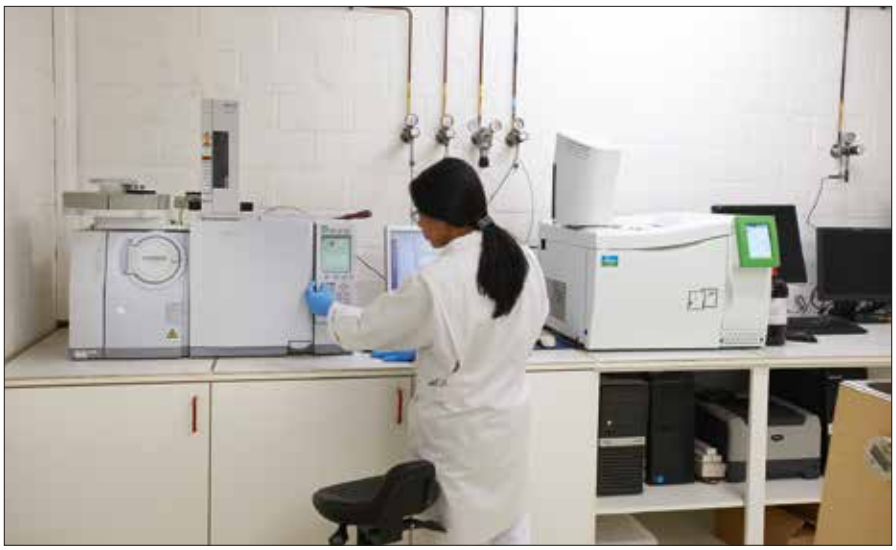
Density 0.86 g/ml
HS Nr 38220000

UN 1307
ADR 3,III
IATA 3,III
IMDG 3,III

HNrs H226-H332-H312-H315
PNrs P302 + P352
WARNING.

n-Pentane (0.15 %w/w)
n-Octane (0.15 %w/w)
Benzene (0.15 %w/w)
Toluene (0.15 %w/w)
Ethylbenzene (0.15 %w/w)
p-Xylene (98.65 %w/w)
m-Xylene (0.15 %w/w)
o-Xylene (0.15 %w/w)
Cumene (0.15 %w/w)
Propylbenzene (0.15 %w/w)

Art. Nr.	Pack	Pack Type
CL40.13798.0010	10 ml	AMP



Hydrocarbon Test Mix (28C) standard solution

NEW CL40.13799

High Quality Standard solution for ASTM D-5443

Solution contains stated concentrations

Density 0.79 g/ml
HS Nr 38220000

UN 1993
ADR 3,II
IATA 3,II
IMDG 3,II

HNrs H225-H319-H336-EUH066
PNrs P210-P240-P305 + P351 + P338

DANGER.

Cyclopentane (1 %w/w)	Benzene (2.25 %w/w)
n-Pentane (1 %w/w)	Toluene (2.25 %w/w)
Cyclohexane (2 %w/w)	trans-Decahydronaphthalene (4.25 %w/w)
2,3-Dimethylbutane (2 %w/w)	n-Tetradecane (4.5 %w/w)
n-Hexane (2 %w/w)	Ethylbenzene (4.5 %w/w)
1-Hexene (1.5 %w/w)	o-Xylene (4.25 %w/w)
Methylcyclohexane (4.25 %w/w)	n-Propylbenzene (5 %w/w)
4-Methyl-1-hexene (1.5 %w/w)	1,2,4-Trimethylbenzene (4.5 %w/w)
n-Heptane (3.5 %w/w)	1,2,3-Trimethylbenzene (5 %w/w)
1,2-Dimethylcyclohexane (5 %w/w)	1,2,4,5-Tetramethylbenzene (5 %w/w)
Isooctane (5 %w/w)	Pentamethylbenzene (5 %w/w)
n-Octane (5 %w/w)	
1,2,4-Trimethylcyclohexane (4.25 %w/w)	
n-Nonane (4.5 %w/w)	
n-Decane (4.25 %w/w)	
n-Undecane (3.5 %w/w)	
n-Dodecane (3.25 %w/w)	

Art. Nr.	Pack	Pack Type
CL40.13799.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-5175 Standard Test Method for Organohalide Pesticides and Polychlorinated Biphenyls in Water by Microextraction and GC

Organohalide Pesticides Mix (16C) standard solution

CL40.13772

High quality standard for GC, EPA METHOD 505, ASTM D-5175 Solution contains stated concentration in Methanol

Density 0.79 g/ml
HS Nr 38220000
UN 1230
ADR 3 (6.1),II
IATA 3 (6.1),II
IMDG 3 (6.1),II
HNrs H225-H331-H311-H301-H370
PNrs P210-P233-P280-P302 + P352-P309 + P310

DANGER.

alfa-Chlordane (1 µg/ml)
Alachlor (10 µg/ml)
Aldrin (1 µg/ml)
Atrazine (250 µg/ml)
cis-Nonachlor (1 µg/ml)
Dieldrin (1 µg/ml)
Endrin (1 µg/ml)
gamma-Chlordane (1 µg/ml)
Heptachlor (1 µg/ml)
Heptachlor epoxide (isomer B) (1 µg/ml)
Hexachlorobenzene (1 µg/ml)
Hexachlorocyclopentadiene (1 µg/ml)
Lindane (1 µg/ml)
Methoxychlor (5 µg/ml)
Simlazine (250 µg/ml)
trans-Nonachlor (1 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13772.0001	1 ml	AMP

Tailor Made Mixtures can be formulated to meet your special applications.

REGISTERED
ISO 9001
ANT97141.1 by LRQA

ACCREDITED
ISO 17025
531-CAL by BELAC

ACCREDITED
ISO GUIDE 34
531-RM by BELAC

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

3.8

3 Petroleum, Food & Biodiesel Standards

3.8 Petroleum Physical Test Standards

ASTM D-445
Viscosity Reference Standards

Viscosity reference

Viscosity reference	23000 cSt 40°C	500 ml	CL11.2245.0500
Viscosity reference	18000 cSt 40°C	500 ml	CL11.2232.0500
Viscosity reference	13000 cSt 40°C	500 ml	CL11.2231.0500
Viscosity reference	10000 cSt 40°C	500 ml	CL11.2228.0500
Viscosity reference	6700 cSt 40°C	500 ml	CL11.2247.0500
Viscosity reference	5100 cSt 40°C	500 ml	CL11.2241.0500
Viscosity reference	3400 cSt 40°C	500 ml	CL11.2238.0500
Viscosity reference	2500 cSt 40°C	500 ml	CL11.2235.0500
Viscosity reference	1600 cSt 40°C	500 ml	CL11.2223.0500
Viscosity reference	1400 cSt 40°C	500 ml	CL11.2230.0500
Viscosity reference	920 cSt 40°C	500 ml	CL11.2218.0500
Viscosity reference	750 cSt 40°C	500 ml	CL11.2244.0500
Viscosity reference	521 cSt 40°C	500 ml	CL11.2222.0500
Viscosity reference	520 cSt 40°C	500 ml	CL11.2217.0500
Viscosity reference	410 cSt 40°C	500 ml	CL11.2239.0500
Viscosity reference	300 cSt 40°C	500 ml	CL11.2216.0500
Viscosity reference	2.93 cSt 40°C	500 ml	CL11.2219.0500
Viscosity reference	250 cSt 40°C	500 ml	CL11.2234.0500
Viscosity reference	181 cSt 40°C	500 ml	CL11.2221.0500
Viscosity reference	130 cSt 40°C	500 ml	CL11.2215.0500
Viscosity reference	110 cSt 40°C	500 ml	CL11.2214.0500
Viscosity reference	102 cSt 40°C	500 ml	CL11.2213.0500
Viscosity reference	0.97 cSt 40°C	500 ml	CL11.2227.0500
Viscosity reference	9.5 cSt 40°C	500 ml	CL11.2210.0500
Viscosity reference	7.5 cSt 40°C	500 ml	CL11.2242.0500
Viscosity reference	75 cSt 40°C	500 ml	CL11.2243.0500
Viscosity reference	5.7 cSt 40°C	500 ml	CL11.2246.0500
Viscosity reference	54 cSt 40°C	500 ml	CL11.2212.0500
Viscosity reference	54 cSt 40°C	500 ml	CL11.2224.0500
Viscosity reference	44 cSt 40°C	500 ml	CL11.2240.0500
Viscosity reference	4.0 cSt 40°C	500 ml	CL11.2237.0500
Viscosity reference	30 cSt 40°C	500 ml	CL11.2211.0500
Viscosity reference	25 cSt 40°C	500 ml	CL11.2236.0500
Viscosity reference	2.0 cSt 40°C	500 ml	CL11.2233.0500
Viscosity reference	18 cSt 40°C	500 ml	CL11.2220.0500
Viscosity reference	14 cSt 40°C	500 ml	CL11.2229.0500
Viscosity reference	0.6 cSt 40°C	500 ml	CL11.2226.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-445
Viscosity Reference Standards

Viscosity reference	0.4 cSt 40°C	500 ml	CL11.2225.0500

ASTM D-1015, D-2386 and D-5972
Freezing Point Certified Reference Materials

Freezing point

Freezing point	Nominal Freezing Point: -45°C	250 ml	CL11.0626.0250

ASTM D-97
Pour Point Certified Reference Materials

Pour point

Pour point	Nominal Pour Point: -5°C	250 ml	CL11.1620.0250
Pour point	Nominal Pour Point: -10°C	250 ml	CL11.1621.0250
Pour point	Nominal Pour Point: -15°C	250 ml	CL11.1622.0250
Pour point	Nominal Pour Point: -20°C	250 ml	CL11.1623.0250
Pour point	Nominal Pour Point: -40°C	250 ml	CL11.1624.0250
Pour point	Nominal Pour Point: -50°C	250 ml	CL11.1625.0250

ASTM D-86
Synthetic Distillation Standards

Synthetic distillation

Synthetic distillation	Boiling range 54°C to 187°C	250 ml	CL11.1907.0250

ASTM D-644 and IP177
Total Acid Number (TAN) Reference Materials

TAN reference

TAN reference	3,0 mg KOH / g	50 g	CL11.2007.0050
TAN reference	2,5 mg KOH / g	50 g	CL11.2006.0050
TAN reference	2,0 mg KOH / g	50 g	CL11.2005.0050
TAN reference	1,5 mg KOH / g	125 g	CL11.2004.0125
TAN reference	1,0 mg KOH / g	125 g	CL11.2003.0125
TAN reference	0,5 mg KOH / g	100 g	CL11.2002.0100
TAN reference	0,1 mg KOH / g	125 g	CL11.2001.0125

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

ASTM D-4739 and IP276
Total Base Number (TBN) Reference Materials

TBN reference

TBN reference	70,0 mg KOH / g	50 g	CL11.2013.0050
TBN reference	40,0 mg KOH / g	50 g	CL11.2012.0050
TBN reference	30,0 mg KOH / g	50 g	CL11.2011.0050
TBN reference	15,0 mg KOH / g	50 g	CL11.2010.0050
TBN reference	10,0 mg KOH / g	100 g	CL11.2009.0100
TBN reference	6,0 mg KOH / g	50 g	CL11.2008.0050

Tailor Made Mixtures can be formulated to meet your special applications.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

3.9

3 Petroleum, Food & Biodiesel Standards

3.9 Food & Biodiesel Standards

1,2,4-Butanetriol standard solution — CL40.0272

Standard for GC ASTM Method D-6584 — Solution contains 1000 µg/ml in Pyridine

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

1,2,4-Butanetriol

Art. Nr.	Pack	Pack Type
CL40.0272.0005	5 ml	AMP

1,3-Diolein standard solution — CL41.0450

Standard for GC ASTM Method D-6584 — Solution contains 5000 µg/ml in Pyridine

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

1,3-Diolein

Art. Nr.	Pack	Pack Type
CL41.0450.0002	2 ml	AMP

EN 14105 Mix 1 (6C) standard solution — NEW — CL40.13768

Standard for GC ASTM Method D-6584, EN 14105 — Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Glycerin (5 µg/ml)
Monoolein (250 µg/ml)
1,3-Diolein (50 µg/ml)
Triolein (50 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13768.0001	1 ml	AMP

EN 14105 Mix 2 (6C) standard solution — NEW — CL40.13769

Standard for GC ASTM Method D-6584, EN 14105 — Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Glycerin (20 µg/ml)
Monoolein (600 µg/ml)
1,3-Diolein (200 µg/ml)
Triolein (150 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13769.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EN 14105 Mix 3 (6C) standard solution

NEW CL40.13770

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

- Glycerin (35 µg/ml)
- Monoolein (950 µg/ml)
- 1,3-Diolein (350 µg/ml)
- Triolein (300 µg/ml)
- 1,2,4-Butanetriol (80 µg/ml)
- Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13770.0001	1 ml	AMP

EN 14105 Mix 4 (6C) standard solution

NEW CL40.13771

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

- Glycerin (50 µg/ml)
- Monoolein (1250 µg/ml)
- 1,3-Diolein (500 µg/ml)
- Triolein (400 µg/ml)
- 1,2,4-Butanetriol (80 µg/ml)
- Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13771.0001	1 ml	AMP

EN 14105 Mix 5 (3C) standard solution

NEW CL40.13281

Standard for GC ASTM Method D-6584, EN 14105 Solution contains 10000 µg/ml in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

- Monoolein
- Monopalmitin
- Monostearin

Art. Nr.	Pack	Pack Type
CL40.13281.0001	1 ml	AMP

Glycerin standard solution

CL40.0703

Standard for GC ASTM Method D-6584 Solution contains 500 µg/ml in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

- Glycerin

Art. Nr.	Pack	Pack Type
CL40.0703.0002	2 ml	AMP

Monoolein standard solution — CL40.1347

Standard for GC ASTM Method D-6584 — Solution contains 5000 µg/ml in Pyridine - Keep at -20°C

Monoolein

Mol.Weight 79.10 g/mol — **UN** 1282
Density 0.98 g/ml — **ADR** 3,II
EINECS - — **IATA** 3,II
HS Nr 38220000 — **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Art. Nr.	Pack	Pack Type
CL40.1347.0002	2 ml	AMP

Monopalmitin standard solution — CL40.1348

Standard for GC ASTM Method D-6584 — Solution contains 5000 µg/ml in Pyridine

Monopalmitin

Mol.Weight 79.10 g/mol — **UN** 1282
Density 0.98 g/ml — **ADR** 3,II
EINECS - — **IATA** 3,II
HS Nr 38220000 — **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Art. Nr.	Pack	Pack Type
CL40.1348.0002	2 ml	AMP

Monostearin standard solution — NEW CL41.1342

Standard for GC EN 14105, ASTM D-6584 — Solution contains 1% m/v in Pyridine

Monostearin

Mol.Weight 79.10 g/mol — **UN** 1282
Density 0.98 g/ml — **ADR** 3,II
EINECS - — **IATA** 3,II
HS Nr 38220000 — **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Art. Nr.	Pack	Pack Type
CL41.1342.0002	2 ml	AMP

Tricaprin standard solution — CL40.2074

Standard for GC ASTM Method D-6584 — Solution contains 8.000 µg/ml in Pyridine

Tricaprin

Mol.Weight 79.10 g/mol — **UN** 1282
Density 0.98 g/ml — **ADR** 3,II
EINECS - — **IATA** 3,II
HS Nr 38220000 — **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Art. Nr.	Pack	Pack Type
CL40.2074.0005	5 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Triolein standard solution — CL40.2073

Standard for GC ASTM Method D-6584 — Solution contains 5000 µg/ml in Pyridine - Keep at -20°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

- Triolein

Art. Nr.	Pack	Pack Type
CL40.2073.0002	2 ml	AMP

ASTM D-6584 Mix (6C) standard solution — NEW — CL40.13766

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

- Glycerin (500 µg/ml)
- Monoolein (5.000 µg/ml)
- 1,3-Diolein (5.000 µg/ml)
- Triolein (5.000 µg/ml)
- 1,2,4-Butanetriol (1.000 µg/ml)
- Tricaprin (8.000 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13766.0005	5 ml	AMP

ASTM D-6584 Mix 4 (4C) standard solution — NEW — CL40.13784

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine - Keep at 2-8°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

- Glycerin (35 µg/ml)
- Monoolein (750 µg/ml)
- 1,3-Diolein (350 µg/ml)
- Triolein (350 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13784.0001	1 ml	AMP

ASTM D-6584 Mix 1 (4C) standard solution — NEW — CL40.13781

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine - Keep at 2-8°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

- Glycerin (5 µg/ml)
- Monoolein (100 µg/ml)
- 1,3-Diolein (50 µg/ml)
- Triolein (50 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13781.0001	1 ml	AMP

ASTM D-6584
Determination of Total Monoglycerides, Total Diglycerides, Total Triglycerides, and Free and

ASTM D-6584 Mix 2 (4C) standard solution

NEW CL40.13782

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine - Keep at 2-8°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Glycerin (15 µg/ml)
Monoolein (250 µg/ml)
1,3-Diolein (100 µg/ml)
Triolein (100 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13782.0001	1 ml	AMP

ASTM D-6584 Mix 5 (4C) standard solution

NEW CL40.13785

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine - Keep at 2-8°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Glycerin (50 µg/ml)
Monoolein (1000 µg/ml)
1,3-Diolein (500 µg/ml)
Triolein (500 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13785.0001	1 ml	AMP

ASTM D-6584 Mix 3 (4C) standard solution

NEW CL40.13783

Standard for GC ASTM Method D-6584 — Solution contains stated concentration in Pyridine - Keep at 2-8°C

Mol.Weight 79.10 g/mol
Density 0.98 g/ml
EINECS -
HS Nr 38220000
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352
UN 1282
ADR 3,II
IATA 3,II
IMDG 3,II

DANGER.

Glycerin (25 µg/ml)
Monoolein (500 µg/ml)
1,3-Diolein (200 µg/ml)
Triolein (200 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13783.0001	1 ml	AMP

ASTM D-6751
Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels

Multi Element (5E) standard oil solution

NEW CL11.13556

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 — Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331

DANGER.

Calcium (Ca)	100 µg/g
Potassium (K)	100 µg/g
Magnesium (Mg)	100 µg/g
Sodium (Na)	100 µg/g
Phosphorus (P)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13556.0100	100 ml	GVB

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

ASTM D-6751
Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels

Multi Element (5E) standard oil solution

NEW CL11.13557

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 500 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331

DANGER.

Calcium (Ca)	500 µg/g
Potassium (K)	500 µg/g
Magnesium (Mg)	500 µg/g
Sodium (Na)	500 µg/g
Phosphorus (P)	500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13557.0100	100 ml	GVB

Sodium & Potassium (2E) standard oil solution

NEW CL11.13554

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331

DANGER.

Potassium (K)	100 µg/g
Sodium (Na)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13554.0100	100 g	GVB

ASTM D-7328
Determination of Existent and Potential Inorganic Sulfate and Total Inorganic Chloride in Fuel

Multi Element IC Standard sol. (2E)

NEW CL01.39316

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 3 mg/l
Sulfate	: 3 mg/l

Art. Nr.	Pack	Pack Type
CL01.39316.0100	100 ml	PE

Multi Element IC Standard sol. (2E)

NEW CL01.39317

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 5 mg/l
Sulfate	: 5 mg/l

Art. Nr.	Pack	Pack Type
CL01.39317.0100	100 ml	PE

Multi Element IC Standard sol. (2E)

NEW CL01.39318

Standard for Biodiesel/Diesel analysis acc. ASTM D-7328 Contains 2 elements in H2O (Store cool !)

Density 1.00 g/ml
HS Nr 38220000

Chloride	: 10 mg/l
Sulfate	: 10 mg/l

Art. Nr.	Pack	Pack Type
CL01.39318.0100	100 ml	PE

Don't see the exact solution you need?
E-mail us the Tailor Made Standard Quotation request form in the back of the catalog.

EN14105
Determination of free and total glycerol and mono-, di-, triglyceride contents

EN 14105 Mix 1 (6C) standard solution

NEW CL40.13768

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Glycerin (5 µg/ml)
Monoolein (250 µg/ml)
1,3-Diolein (50 µg/ml)
Triolein (50 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13768.0001	1 ml	AMP

EN 14105 Mix 2 (6C) standard solution

NEW CL40.13769

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Glycerin (20 µg/ml)
Monoolein (600 µg/ml)
1,3-Diolein (200 µg/ml)
Triolein (150 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13769.0001	1 ml	AMP

EN 14105 Mix 3 (6C) standard solution

NEW CL40.13770

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Glycerin (35 µg/ml)
Monoolein (950 µg/ml)
1,3-Diolein (350 µg/ml)
Triolein (300 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13770.0001	1 ml	AMP

EN 14105 Mix 4 (6C) standard solution

NEW CL40.13771

Standard for GC ASTM Method D-6584, EN 14105 Solution contains stated concentration in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Glycerin (50 µg/ml)
Monoolein (1250 µg/ml)
1,3-Diolein (500 µg/ml)
Triolein (400 µg/ml)
1,2,4-Butanetriol (80 µg/ml)
Tricaprin (800 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13771.0001	1 ml	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EN14105
Determination of free and total glycerol and mono-, di-, triglyceride contents

EN 14105 Mix 5 (3C) standard solution

NEW CL40.13281

Standard for GC ASTM Method D-6584, EN 14105 Solution contains 10000 µg/ml in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Monoolein
Monopalmitin
Monostearin

Art. Nr.	Pack	Pack Type
CL40.13281.0001	1 ml	AMP

Monostearin standard solution

NEW CL41.1342

Standard for GC EN 14105, ASTM D-6584 Solution contains 1% m/v in Pyridine

Mol.Weight 79.10 g/mol **UN** 1282
Density 0.98 g/ml **ADR** 3,II
EINECS - **IATA** 3,II
HS Nr 38220000 **IMDG** 3,II
HNrs H225-H302 + H312 + H332
PNrs P210-P233-P302 + P352

DANGER.

Monostearin

Art. Nr.	Pack	Pack Type
CL41.1342.0002	2 ml	AMP

EN14108
Determination of sodium content by atomic absorption spectrometry

Multi Element (5E) standard oil solution

NEW CL11.13556

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331

DANGER.

Calcium (Ca)	100 µg/g
Potassium (K)	100 µg/g
Magnesium (Mg)	100 µg/g
Sodium (Na)	100 µg/g
Phosphorus (P)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13556.0100	100 ml	GVB

Multi Element (5E) standard oil solution

NEW CL11.13557

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 500 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331

DANGER.

Calcium (Ca)	500 µg/g
Potassium (K)	500 µg/g
Magnesium (Mg)	500 µg/g
Sodium (Na)	500 µg/g
Phosphorus (P)	500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13557.0100	100 ml	GVB

EN14108
Determination of sodium content by atomic absorption spectrometry

Sodium & Potassium (2E) standard oil solution

NEW CL11.13554

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Potassium (K)	100 µg/g
Sodium (Na)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13554.0100	100 g	GVB

EN14109
Determination of potassium content by atomic absorption spectrometry

Multi Element (5E) standard oil solution

NEW CL11.13556

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Calcium (Ca)	100 µg/g
Potassium (K)	100 µg/g
Magnesium (Mg)	100 µg/g
Sodium (Na)	100 µg/g
Phosphorus (P)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13556.0100	100 ml	GVB

Multi Element (5E) standard oil solution

NEW CL11.13557

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 500 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Calcium (Ca)	500 µg/g
Potassium (K)	500 µg/g
Magnesium (Mg)	500 µg/g
Sodium (Na)	500 µg/g
Phosphorus (P)	500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13557.0100	100 ml	GVB

Sodium & Potassium (2E) standard oil solution

NEW CL11.13554

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Potassium (K)	100 µg/g
Sodium (Na)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13554.0100	100 g	GVB

EN14110
Determination of methanol content

Methanol standard solution

CL40.1807

Method EN-14110 Solution contains 10000 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (10000 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1807.0002	2 ml	AMP

EN14110
Determination of methanol content

Methanol standard solution — NEW CL41.1356

Method EN-14110 Solution contains 5000 µg/g in H2O

Density 1.00 g/ml
HS Nr 38220000

Methanol

Art. Nr.	Pack	Pack Type
CL41.1356.0001	1 ml	AMP

Methanol standard solution — CL40.1806

Method EN-14110 Solution contains 4000 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (4 000 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1806.0002	2 ml	AMP

Methanol standard solution — NEW CL41.1355

Method EN-14110 Solution contains 2500 µg/g in H2O

Density 1.00 g/ml
HS Nr 38220000

Methanol

Art. Nr.	Pack	Pack Type
CL41.1355.0001	1 ml	AMP

Methanol standard solution — CL40.1805

Method EN-14110 Solution contains 2000 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (2.000 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1805.0002	2 ml	AMP

Methanol standard solution — NEW CL41.1354

Method EN-14110 Solution contains 1000 µg/g in H2O

Density 1.00 g/ml
HS Nr 38220000

Methanol

Art. Nr.	Pack	Pack Type
CL41.1354.0001	1 ml	AMP

Methanol standard solution — NEW CL40.1804

Method EN-14110 Solution contains 500 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (500 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1804.0002	2 ml	AMP

Methanol standard solution — NEW CL41.1353

Method EN-14110 Solution contains 500 µg/g in H2O

Density 1.00 g/ml
HS Nr 38220000

Methanol

Art. Nr.	Pack	Pack Type
CL41.1353.0001	1 ml	AMP

Methanol standard solution — NEW CL41.1352

Method EN-14110 Solution contains 100 µg/g in H2O

Density 1.00 g/ml
HS Nr 38220000

Methanol

Art. Nr.	Pack	Pack Type
CL41.1352.0001	1 ml	AMP

EN14110
Determination of methanol content

Methanol standard solution

NEW CL40.1803

Method EN-14110 Solution contains 80 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (80 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1803.0002	2 ml	AMP

Methanol standard solution

CL40.1802

Method EN-14110 Solution contains 10 µg/ml in Rapeseed oil

Density 0.91 g/ml
HS Nr 38220000

Methanol (10 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.1802.0002	2 ml	AMP

EN14538
Determination of Ca, K, Mg and Na content by optical emission spectral analysis with

Multi Element (5E) standard oil solution

NEW CL11.13556

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Calcium (Ca)	100 µg/g
Potassium (K)	100 µg/g
Magnesium (Mg)	100 µg/g
Sodium (Na)	100 µg/g
Phosphorus (P)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13556.0100	100 ml	GVB

Multi Element (5E) standard oil solution

NEW CL11.13557

Standard for ASTM D-6751, UOP 391, EN 14108, EN 14109, EN 14538 Contains 500 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Calcium (Ca)	500 µg/g
Potassium (K)	500 µg/g
Magnesium (Mg)	500 µg/g
Sodium (Na)	500 µg/g
Phosphorus (P)	500 µg/g

Art. Nr.	Pack	Pack Type
CL11.13557.0100	100 ml	GVB

Calcium & Magnesium (2E) standard oil solution

NEW CL11.13555

Standard for EN 14538 Contains 100 µg/g in Biodiesel D100

Density 0.85 g/ml
HS Nr 38220000
HNrs H304
PNrs P301 + P310-P331
DANGER.

Calcium (Ca)	100 µg/g
Magnesium (Mg)	100 µg/g

Art. Nr.	Pack	Pack Type
CL11.13555.0100	100 g	GVB

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

EN15721
Determination of higher alcohols, methanol and other impurities (GC)

3-Pentanol standard solution

NEW CL42.1614

Internal Standard Solution A for EN 15721

Solution contains 1% w/w in Ethanol

Mol.Weight 46.07 g/mol
Density 0.912 g/ml
HS Nr 38220000

HNrs H225
PNrs P210

DANGER.

UN 1170
ADR 3,II
IATA 3,II
IMDG 3,II

Pentan-3-ol

Art. Nr.	Pack	Pack Type
CL42.1614.0001	1 ml	AMP

Ethanol Impurities Mix (10C) standard solution

NEW CL40.13463

Solution A for EN 15721

Solution contains stated concentrations in Ethanol

Mol.Weight 46.07 g/mol
Density 0.912 g/ml
HS Nr 38220000

HNrs H225
PNrs P210

DANGER.

UN 1170
ADR 3,II
IATA 3,II
IMDG 3,II

Methanol (1 w/w %)
Acetaldehyde (1 w/w %)
3-Methyl-1-butanol (1 w/w %)
2-Methyl-1-butanol (1 w/w %)
2-Methyl-1-propanol (1 w/w %)
2-Butanol (1 w/w %)
1-Butanol (1 w/w %)
1-Propanol (1 w/w %)
Ethyl acetate (1 w/w %)
Acetal (1 w/w %)

Art. Nr.	Pack	Pack Type
CL40.13463.0001	1 ml	AMP

FAME Mix (37C) standard solution

CL40.13093

Quantification of FAME in vegetal oils

Solution contains stated concentration in Dichloromethane - Keep at -20°C

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

HNrs H351
PNrs P281-P308 + P313

WARNING.

- cis-13,16-Docosadienoic acid methyl ester (200 µg/ml)
- cis-4,7,10,13,16,19-Docosahexaenoic acid methyl ester (200 µg/ml)
- cis-11,14-Eicosadienoic acid methyl ester (200 µg/ml)
- cis-5,8,11,14,17-Eicosapentaenoic acid methyl ester (200 µg/ml)
- cis-8,11-14-Eicosatrienoic acid methyl ester (200 µg/ml)
- cis-11,14,17-Eicosatrienoic acid methyl ester (200 µg/ml)
- cis-11-Eicosenoic acid methyl ester (200 µg/ml)
- Methyl cis-10-heptadecenoate (200 µg/ml)
- Methyl hexanoate (400 µg/ml)
- Methyl γ-linolenate (200 µg/ml)
- Methyl arachidate (400 µg/ml)
- Methyl arachidonate (200 µg/ml)
- Methyl behenate (400 µg/ml)
- Methyl butyrate (400 µg/ml)
- Methyl decanoate (400 µg/ml)
- Methyl dodecanoate (400 µg/ml)
- Methyl elaidate (200 µg/ml)
- Methyl erucate (200 µg/ml)
- Methyl heneicosanoate (200 µg/ml)
- Methyl heptadecanoate (200 µg/ml)
- Methyl linoleate (200 µg/ml)
- Methyl linoelaidate (200 µg/ml)
- Methyl linolenate (200 µg/ml)
- Methyl myristate (400 µg/ml)
- Methyl myristoleate (200 µg/ml)
- Methyl oleate (400 µg/ml)
- Methyl octanoate (400 µg/ml)
- Methyl palmitate (600 µg/ml)
- Methyl palmitoleate (200 µg/ml)
- Methyl pentadecanoate (200 µg/ml)
- Methyl cis-10-pentadecenoate (200 µg/ml)
- Methyl stearate (400 µg/ml)
- Methyl tricosanoate (200 µg/ml)
- Methyl tetracosanoate (400 µg/ml)
- Methyl tridecanoate (200 µg/ml)
- Methyl undecanoate (200 µg/ml)
- Methyl cis-15-tetracosenoate (200 µg/ml)

Art. Nr.	Pack	Pack Type
CL40.13093.0001	1 ml	AMP

FAME Mix III (37C)

NEW **CL40.13263**

Quantification of FAME in vegetal oils

Solution contains stated concentration

Density 0.91 g/ml
HS Nr 38220000

- cis-13,16-Docosadienoic acid methyl ester (2%)
- cis-4,7,10,13,16,19-Docosahexaenoic acid methyl ester (2%)
- cis-11,14-Eicosadienoic acid methyl ester (2%)
- cis-5,8,11,14,17-Eicosapentaenoic acid methyl ester (2%)
- cis-8,11-14-Eicosatrienoic acid methyl ester (2%)
- cis-11,14,17-Eicosatrienoic acid methyl ester (2%)
- cis-11-Eicosenoic acid methyl ester (2%)
- Methyl cis-10-heptadecenoate (2%)
- Methyl hexanoate (4%)
- Methyl γ-linolenate (2%)
- Methyl arachidate (4%)
- Methyl arachidonate (2%)
- Methyl behenate (4%)
- Methyl butyrate (4%)
- Methyl decanoate (4%)
- Methyl dodecanoate (4%)
- Methyl elaidate (2%)
- Methyl erucate (2%)
- Methyl heneicosanoate (2%)
- Methyl heptadecanoate (2%)
- Methyl linoleate (2%)
- Methyl linoelaidate (2%)
- Methyl linolenate (2%)
- Methyl myristate (4%)
- Methyl myristoleate (2%)
- Methyl oleate (4%)
- Methyl octanoate (4%)
- Methyl palmitate (6%)
- Methyl palmitoleate (2%)
- Methyl pentadecanoate (2%)
- Methyl cis-10-pentadecenoate (2%)
- Methyl stearate (4%)
- Methyl tricosanoate (2%)
- Methyl tetracosanoate (4%)
- Methyl tridecanoate (2%)
- Methyl undecanoate (2%)
- Methyl cis-15-tetracosenoate (2%)

Art. Nr.	Pack	Pack Type
CL40.13263.0100	100 mg	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

FAME Mixtures

FAME Mix C8-C24 (14C)

NEW CL40.39082

Quantification of FAME in vegetal oils

Solution contains stated concentration

Density 0.91 g/ml
HS Nr 38220000

- C08:0 Caprylic acid methyl ester (8%)
- C10:0 Methyl decanoate (8%)
- C12:0 Lauric acid methyl ester (8%)
- C14:0 Methyl myristate (8%)
- C16:0 Methyl palmitate (11%)
- C16:1 Methyl cis-9-hexadecenoate (5%)
- C18:0 Methyl stearate (8%)
- C18:1 Methyl oleate (5%)
- C18:2 Linoleic acid methyl ester (5%)
- C18:3 Linolenic acid methyl ester (5%)
- C20:0 Arachidic acid methyl ester (8%)
- C22:0 Behenic acid methyl ester (8%)
- C22:1 Erucic acid methyl ester (5%)
- C24:0 Lignoceric acid methyl ester (8%)

Art. Nr.	Pack	Pack Type
CL40.39082.0100	100 mg	AMP

Low Erucic Rapeseed FAME Mix (11C)

CL40.13762

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C14:0 Methyl myristate (1%)
- C16:0 Methyl palmitate (4%)
- C18:0 Methyl stearate (3%)
- C18:1 Methyl oleate (60%)
- C18:2 Methyl linoleate (12%)
- C18:3 Methyl linolenate (5%)
- C20:0 Methyl arachidate (3%)
- C20:1 Methyl eicosenoate (1%)
- C22:0 Methyl behenate (3%)
- C22:1 Methyl erucate (5%)
- C24:0 Methyl lignocerate (3%)

Art. Nr.	Pack	Pack Type
CL40.13762.0100	100 mg	AMP

Mustard seed & Peanut FAME Mix (10C)

CL40.13761

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C14:0 Methyl myristate (1%)
- C16:0 Methyl palmitate (4%)
- C18:0 Methyl stearate (3%)
- C18:1 Methyl oleate (45%)
- C18:2 Methyl linoleate (15%)
- C18:3 Methyl linolenate (3%)
- C20:0 Methyl arachidate (3%)
- C22:0 Methyl behenate (3%)
- C22:1 Methyl erucate (20%)
- C24:0 Methyl lignocerate (3%)

Art. Nr.	Pack	Pack Type
CL40.13761.0100	100 mg	AMP

Coconut & Palm kernel FAME Mix (8C)

CL40.13764

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C8:0 Methyl caprylate (7%)
- C10:0 Methyl caprate (5%)
- C12:0 Methyl laurate (48%)
- C14:0 Methyl myristate (15%)
- C16:0 Methyl palmitate (7%)
- C18:0 Methyl stearate (3%)
- C18:1 Methyl oleate (12%)
- C18:2 Methyl linoleate (3%)

Art. Nr.	Pack	Pack Type
CL40.13764.0100	100 mg	AMP

Palm & Lard FAME Mix (7C)

CL40.13765

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C14:0 Methyl myristate (2%)
- C16:0 Methyl palmitate (30%)
- C16:1 Methyl palmitoleate (3%)
- C18:0 Methyl stearate (14%)
- C18:1 Methyl oleate (41%)
- C18:2 Methyl linoleate (7%)
- C18:3 Methyl linolenate (3%)

Art. Nr.	Pack	Pack Type
CL40.13765.0100	100 mg	AMP

Corn & Soy FAME Mix (6C) — CL40.13759

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C16:0 Methyl palmitate (6%)
- C18:0 Methyl stearate (3%)
- C18:1 Methyl oleate (35%)
- C18:2 Methyl linoleate (50%)
- C18:3 Methyl linolenate (3%)
- C20:0 Methyl arachidate (3%)

Art. Nr.	Pack	Pack Type
CL40.13759.0100	100 mg	AMP

Hempseed & linseed FAME Mix (5C) — CL40.13760

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C16:0 Methyl palmitate (7%)
- C18:0 Methyl stearate (5%)
- C18:1 Methyl oleate (18%)
- C18:2 Methyl linoleate (36%)
- C18:3 Methyl linolenate (34%)

Art. Nr.	Pack	Pack Type
CL40.13760.0100	100 mg	AMP

Olive & Neatsfoot FAME Mix (4C) — CL40.13763

Quantification of FAME in vegetal oils

Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C16:0 Methyl palmitate (11%)
- C18:0 Methyl stearate (3%)
- C18:1 Methyl oleate (80%)
- C18:2 Methyl linoleate (6%)

Art. Nr.	Pack	Pack Type
CL40.13763.0100	100 mg	AMP

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Low Erucic Rapeseed FAEE Mix (11C)

NEW CL40.13788

Quantification of FAEE in vegetal oils — Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C14:0 Ethyl myristate (1%)
- C16:0 Ethyl palmitate (4%)
- C18:0 Ethyl stearate (3%)
- C18:1 Ethyl oleate (60%)
- C18:2 Ethyl linoleate (12%)
- C18:3 Ethyl linolenate (5%)
- C20:0 Ethyl arachidate (3%)
- C20:1 Ethyl eicosenoate (1%)
- C22:0 Ethyl behenate (3%)
- C22:1 Ethyl erucate (5%)
- C24:0 Ethyl lignocerate (3%)

Art. Nr.	Pack	Pack Type
CL40.13788.0100	100 mg	AMP

FAEE C4-C24 Even Mix (11C) standard solution

NEW CL40.13789

Quantification of FAEE in vegetal oils — Solution contains 1000 µg/ml in n-Hexane - Keep at -20°C

Density 0.66 g/ml
HS Nr 38220000
UN 1208
ADR 3,II
IATA 3,II
IMDG 3,II
HNrs H225-H304-H361-H373-H315-H336-H411
PNrs P210-P240-P273-P301 + P310-P331-P302 + P352-P403 + P235

DANGER.

- C04:0 Ethyl butyrate
- C06:0 Ethyl hexanoate
- C08:0 Ethyl octanoate
- C10:0 Ethyl decanoate
- C12:0 Ethyl dodecanoate
- C14:0 Ethyl myristate
- C16:0 Ethyl palmitate
- C18:0 Ethyl stearate
- C20:0 Ethyl arachidate
- C22:0 Ethyl behenate
- C24:0 Ethyl tetracosanoate

Art. Nr.	Pack	Pack Type
CL40.13789.0001	1 ml	AMP

Coconut & Palm kernel FAEE Mix (8C)

NEW CL40.13787

Quantification of FAEE in vegetal oils — Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C8:0 Ethyl caprylate (7%)
- C10:0 Ethyl caprate (5%)
- C12:0 Ethyl laurate (48%)
- C14:0 Ethyl myristate (15%)
- C16:0 Ethyl palmitate (7%)
- C18:0 Ethyl stearate (3%)
- C18:1 Ethyl oleate (12%)
- C18:2 Ethyl linoleate (3%)

Art. Nr.	Pack	Pack Type
CL40.13787.0100	100 mg	AMP

Corn & Soy FAEE Mix (6C)

NEW CL40.13786

Quantification of FAEE in vegetal oils — Solution contains stated concentration - Keep at -20°C

Density 0.91 g/ml
HS Nr 38220000

- C16:0 Ethyl palmitate (6%)
- C18:0 Ethyl stearate (3%)
- C18:1 Ethyl oleate (35%)
- C18:2 Ethyl linoleate (50%)
- C18:3 Ethyl linolenate (3%)
- C20:0 Ethyl arachidate (3%)

Art. Nr.	Pack	Pack Type
CL40.13786.0100	100 mg	AMP

Biofuel 100 standard solution

NEW CL41.0288

High quality standard for GC, HPLC — Solution contains 20000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Biofuel 100

HNrs H351
PNrs P281-P308 + P313
WARNING.

Art. Nr.	Pack	Pack Type
CL41.0288.0002	2 ml	AMP

Biofuel 100 standard solution

NEW CL41.0287

High quality standard for GC, HPLC — Solution contains 500 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Biofuel 100

HNrs H351
PNrs P281-P308 + P313
WARNING.

Art. Nr.	Pack	Pack Type
CL41.0287.0002	2 ml	AMP

Biofuel 20 standard solution

NEW CL41.0286

High quality standard for GC, HPLC — Solution contains 20000 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Biofuel 20

HNrs H351
PNrs P281-P308 + P313
WARNING.

Art. Nr.	Pack	Pack Type
CL41.0286.0002	2 ml	AMP

Biofuel 20 standard solution

NEW CL41.0285

High quality standard for GC, HPLC — Solution contains 500 µg/ml in Dichloromethane

Density 1.32 g/ml
HS Nr 38220000

UN 1593
ADR 6.1,III
IATA 6.1,III
IMDG 6.1,III

Biofuel 20

HNrs H351
PNrs P281-P308 + P313
WARNING.

Art. Nr.	Pack	Pack Type
CL41.0285.0002	2 ml	AMP

Chem-Lab's certified "Custom Made Standards" will save you time and money.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

4

4 Miscellaneous Standards

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Buffer Solutions 20°C

Buffer pH 13.00	1 l	CL03.0208.1000
pH 13.00 (±0.02/20°C) Glycin-NaCl-NaOH	10 l	CL03.0208.9010
Buffer pH 12.00	1 l	CL03.0207.1000
pH 12.00 (±0.02/20°C) Phosphate-NaOH	10 l	CL03.0207.9010
Buffer pH 11.00	1 l	CL03.0206.1000
pH 11.00 (±0.02/20°C) H3BO3-KCl-NaOH	10 l	CL03.0206.9010
Buffer pH 10.00	100 ml	CL03.0204.0100
	1 l	CL03.0204.1000
	5 l	CL03.0204.5500
pH 10.00 (±0.02/20°C) H3BO3-KCl-NaOH	10 l	CL03.0204.9010
	25 l	CL03.0204.9025
	20 l	CL03.0204.9520
Buffer pH 9.60	1 l	CL03.0220.1000
pH 9.60 (±0.02/20°C) Borate-NaOH		
Buffer pH 9.00	1 l	CL03.0218.1000
	5 l	CL03.0218.5500
pH 9.00 (±0.02/20°C) H3BO3-KCl-NaOH	10 l	CL03.0218.9010
	20 l	CL03.0218.9520
Buffer pH 8.50	1 l	CL03.0229.1000
pH 8.50 (±0.02/20°C) H3BO3-KCl-NaOH	5 l	CL03.0229.5000
Buffer pH 8.00	1 l	CL03.0217.1000
	5 l	CL03.0217.5500
pH 8.00 (±0.02/20°C) H3BO3-KCl-NaOH	10 l	CL03.0217.9010
Buffer pH 7.50	1 l	CL03.0228.1000
pH 7.50 (±0.02/20°C) Phosphate	5 l	CL03.0228.5000
Buffer pH 7.00	100 ml	CL03.0216.0100
	1 l	CL03.0216.1000
	5 l	CL03.0216.5500
pH 7.00 (±0.02/20°C) Phosphate	10 l	CL03.0216.9010
	25 l	CL03.0216.9025
	20 l	CL03.0216.9520
Buffer pH 6.50	1 l	CL03.0227.1000
pH 6.50 (±0.02/20°C) Phosphate	5 l	CL03.0227.5000
Buffer pH 6.00	1 l	CL03.0215.1000
	5 l	CL03.0215.5500
pH 6.00 (±0.02/20°C) Citrate-NaOH	10 l	CL03.0215.9010
Buffer pH 5.00	1 l	CL03.0214.1000
pH 5.00 (±0.02/20°C) Citrate-NaOH	10 l	CL03.0214.9010

Buffer Solutions 20°C

Buffer pH 4.00	1 l	CL03.0213.1000
	5 l	CL03.0213.5500
	10 l	CL03.0213.9010
pH 4.00 (±0.02/20°C) Citrate-NaCl-NaOH	25 l	CL03.0213.9025
	20 l	CL03.0213.9520
Buffer pH 3.60	1 l	CL03.0212.1000
pH 3.60 (±0.02/20°C) Phtalate-HCl	10 l	CL03.0212.9010
Buffer pH 3.50	1 l	CL03.0211.1000
pH 3.50 (±0.02/20°C) Phtalate-HCl	10 l	CL03.0211.9010
Buffer pH 3.00	1 l	CL03.0210.1000
pH 3.00 (±0.02/20°C) Citrate-NaCl-NaOH	10 l	CL03.0210.9010
Buffer pH 2.00	1 l	CL03.0209.1000
pH 2.00 (±0.02/20°C) Citrate-NaCl-HCl	5 l	CL03.0209.5500
	10 l	CL03.0209.9010
Buffer pH 1.00	1 l	CL03.0203.1000
	5 l	CL03.0203.5500
pH 1.00 (±0.02/20°C) KCl-HCl	10 l	CL03.0203.9010
	20 l	CL03.0203.9520

Buffer Solutions 20°C (Colored)

Buffer pH 10.00 (colored)	100 ml	CL03.0710.0100
	500 ml	CL03.0710.0500
	1 l	CL03.0710.1000
	5 l	CL03.0710.5500
pH 10.00 (±0.02/20°C) H3BO3-KCl-NaOH (blue)	10 l	CL03.0710.9010
	25 l	CL03.0710.9025
	20 l	CL03.0710.9520
Buffer pH 9.00 (colored)	1 l	CL03.0711.1000
	5 l	CL03.0711.5500
pH 9.00 (±0.02/20°C) H3BO3-KCl-NaOH (green)	20 l	CL03.0711.9520
Buffer pH 7.00 (colored)	100 ml	CL03.0704.0100
	1 l	CL03.0704.1000
	5 l	CL03.0704.5500
pH 7.00 (±0.02/20°C) Phosphate (green)	10 l	CL03.0704.9010
	20 l	CL03.0704.9520
Buffer pH 4.00 (colored)	100 ml	CL03.0702.0100
	1 l	CL03.0702.1000
	5 l	CL03.0702.5500
pH 4.00 (±0.02/20°C) Citrate-NaCl-NaOH (red)	10 l	CL03.0702.9010
	20 l	CL03.0702.9520
Buffer pH 2.00 (colored)	1 l	CL03.0706.1000
pH 2.00 (±0.02/20°C) KCl-HCl (red)	10 l	CL03.0706.9010

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Buffer Solutions 25°C

Buffer pH 10.000 (25°C)	500 ml	CL03.0238.0500
pH 10.000 (±0.005/25°C) H3BO3-KCl-NaOH		
Buffer pH 7.000 (25°C)	500 ml	CL03.0237.0500
pH 7.000 (±0.005/25°C) Phosphate		
Buffer pH 4.000 (25°C)	500 ml	CL03.0236.0500
pH 4.00 (±0.005/25°C) Citrate-NaCl-NaOH		

Standard Buffer Solutions

Standard Buffer Calciumhydroxide pH 12.627	1 l	CL03.0302.1000
pH 12.627 (±0.02/20°C) Ca(OH)2 sat. H2O sol.	10 l	CL03.0302.9010
Standard Buffer Carbonate pH 10.060	500 ml	CL03.0301.0500
pH 10.060 (±0.02/20°C) - 5.3 g Na2CO3 + 4.2 g NaHCO3 / l H2O	1 l 10 l	CL03.0301.1000 CL03.0301.9010
Standard Buffer Borate pH 9.225	500 ml	CL03.0202.0500
pH 9.225 (±0.02/20°C) - 3.81 g Na2B4O7.10H2O / l H2O	1 l 10 l	CL03.0202.1000 CL03.0202.9010
Standard Buffer Phosphate pH 6.881	500 ml	CL03.0601.0500
pH 6.881 (±0.02/20°C) - 3.4 g KH2PO4 + 3.55 g Na2HPO4 / l H2O	1 l 10 l	CL03.0601.1000 CL03.0601.9010
Standard Buffer Acetate pH 4.62	1 l	CL03.0101.1000
pH 4.62 (±0.02/20°C) acetate	10 l	CL03.0101.9010
Standard Buffer Phthalate pH 4.002	500 ml	CL03.0602.0500
pH 4.002 (±0.02/20°C) - 10.13 g C8H5KO4 / l H2O	1 l 10 l	CL03.0602.1000 CL03.0602.9010
Standard Buffer Potassium tetraoxalate pH 1.675	1 l	CL03.1107.1000
pH 1.675 (±0.02/20°C) - 12.7 g C4H3KO8 / l H2O	10 l	CL03.1107.9010

Standard Buffer Solutions (Colored)

Standard Buffer Calciumhydroxide pH 12.627 (colored)	1 l	CL03.0707.1000
pH 12.627 (±0.02/20°C) Ca(OH)2 sat. H2O sol. (blue)	10 l	CL03.0707.9010
Standard Buffer Carbonate pH 10.060 (colored)	1 l	CL03.0701.1000
pH 10.060 (±0.02/20°C) - 5.3 g Na2CO3 + 4.2 g NaHCO3 / l H2O (blue)	10 l	CL03.0701.9010
Standard Buffer Borate pH 9.225 (colored)	1 l	CL03.0705.1000
pH 9.225 (±0.02/20°C) - 3.81 g Na2B4O7.10H2O / l H2O (green)	10 l	CL03.0705.9010

Standard Buffer Solutions (Colored)

Standard Buffer Phosphate pH 6.881 (colored)	1 l	CL03.0703.1000
pH 6.881 (±0.02/20°C) - 3.4 g KH2PO4 + 3.55 g Na2HPO4 / l H2O (green)	10 l 20 l	CL03.0703.9010 CL03.0703.9520
Standard Buffer Phthalate pH 4.002 (colored)	1 l	CL03.0709.1000
pH 4.002 (±0.02/20°C) - 10.13 g C8H5KO4 / l H2O (red)	10 l 20 l	CL03.0709.9010 CL03.0709.9520
Standard Buffer Potassium tetraoxalate pH 1.675 (colored)	1 l	CL03.0708.1000
pH 1.675 (±0.02/20°C) - 12.7 g C4H3KO8 / l H2O (red)	10 l	CL03.0708.9010

Conductivity Standards

Hydrogen chloride solution (Conductivity standard) LF Standard 500000µS/25°C (± 1%)	500 ml	CL03.1149.0500
Hydrogen chloride solution (Conductivity standard) LF Standard 450000µS/25°C (± 1%)	500 ml	CL03.1148.0500
Potassium chloride solution (Conductivity standard) LF Standard 300000µS/25°C (± 1%)	500 ml	CL03.1146.0500
Potassium chloride solution (Conductivity standard) LF Standard 200000µS/25°C (± 1%)	500 ml	CL03.1145.0500
Potassium chloride solution (Conductivity standard) LF Standard 150000µS/25°C (± 1%)	500 ml	CL03.1144.0500
Potassium chloride 1 mol/l (Conductivity standard) LF Standard 102.1mS/20°C - 111.8mS/25°C (± 1%)	1 l 10 l	CL03.1104.1000 CL03.1104.9010
Potassium chloride solution (Conductivity standard) LF Standard 100000µS/25°C (± 1%)	500 ml	CL03.1143.0500
Potassium chloride solution (Conductivity standard) LF Standard 50000µS/25°C (± 1%)	500 ml	CL03.1142.0500
Potassium chloride solution (Conductivity standard) LF Standard 46mS/20°C - 50mS/25°C (± 1%)	250 ml 500 ml	CL03.1126.0250 CL03.1126.0500
Potassium chloride 0.2 mol/l (Conductivity standard) LF Standard 22.4mS/20°C - 24.7mS/25°C (± 1%)	500 ml 1 l	CL03.1124.0500 CL03.1124.1000
Potassium chloride solution (Conductivity standard) LF Standard 20000µS/25°C (± 1%)	500 ml	CL03.1141.0500
Potassium chloride 0.1 mol/l (Conductivity standard) LF Standard 11.67mS/20°C - 12.88mS/25°C (± 1%)	500 ml 1 l 10 l	CL03.1108.0500 CL03.1108.1000 CL03.1108.9010
Potassium chloride solution (Conductivity standard) LF Standard 10000µS/25°C (± 1%)	500 ml	CL03.1140.0500
Potassium chloride solution (Conductivity standard) LF Standard 5000µS/25°C (± 1%)	500 ml	CL03.1139.0500
Potassium chloride 0.03 mol/l (Conductivity standard) LF Standard 3660µS/20°C - 4098µS/25°C (± 1%)	1 l 10 l	CL03.1103.1000 CL03.1103.9010
Potassium chloride 0.02 mol/l (Conductivity standard) LF Standard 2542µS/20°C - 2765µS/25°C (± 1%)	1 l 10 l	CL03.1102.1000 CL03.1102.9010
Potassium chloride 0.01 mol/l (Conductivity standard) LF Standard 1278µS/20°C - 1413µS/25°C (± 1%)	500 ml 1 l 10 l	CL03.1101.0500 CL03.1101.1000 CL03.1101.9010

Conductivity Standards

Potassium chloride solution (Conductivity standard) LF Standard 1100µS/25°C (± 1%)	500 ml	CL03.1120.0500
Potassium chloride solution (Conductivity standard) LF Standard 1000µS/25°C (± 1%)	500 ml	CL03.1138.0500
Potassium chloride solution (Conductivity standard) LF Standard 452µS/20°C - 500µS/25°C (± 1%)	500 ml	CL03.1121.0500
Potassium chloride solution (Conductivity standard) LF Standard 445µS/25°C (± 1%)	1 l	CL03.1153.1000
Potassium chloride solution (Conductivity standard) LF Standard 200µS/25°C (± 1%)	500 ml	CL03.1137.0500
Potassium chloride 0.001 mol/l (Conductivity standard) LF Standard 133µS/20°C - 147µS/25°C (± 1%)	500 ml	CL03.1133.0500
Potassium chloride solution (Conductivity standard) LF Standard 100µS/25°C (± 1%)	500 ml	CL03.1119.0500
Potassium chloride solution (Conductivity standard) LF Standard 84µS/25°C (± 1%)	500 ml	CL03.1150.0500
Potassium chloride solution (Low Cond. standard) LF Standard 50µS/25°C (± 1%) (Keep Cool !)	500 ml	CL03.1134.0500
Potassium chloride solution (Low Cond. standard) LF Standard 25µS/20°C (± 1%) (Keep Cool !)	1 l	CL03.1132.1000
Potassium chloride solution (Low Cond. standard) LF Standard 25µS/25°C (± 1%) (Keep Cool !)	500 ml 1 l	CL03.1128.0500 CL03.1128.1000
Potassium chloride solution (Ultralow Cond. standard) LF Standard 20µS/25°C (± 1%) (Keep Cool !)	500 ml	CL03.1136.0500
Potassium chloride solution (Ultralow Cond. standard) LF Standard 10µS/25°C (± 1%) (Keep Cool !)	500 ml	CL03.1135.0500
Potassium chloride solution (Ultralow Cond. standard) LF Standard 5µS/25°C (± 1%) (Keep Cool !)	500 ml	CL03.1127.0500
Hydrogen chloride solution (Conductivity standard) LF Standard 350000µS/25°C (± 1%)	500 ml	CL03.1147.0500

Redox Standards

Redox standard solution +500 mV - 25°C Fe(NH4)2(SO4)2.6H2O/Fe(NH4)(SO4)2.12H2O/H2SO4	500 ml	CL03.1805.0500

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Redox Standards

Redox standard solution +430 mV	500 ml	CL03.1801.0500
Fe(NH4)2(SO4)2.6H2O/Fe(NH4)(SO4)2.12H2O/H2SO4	1 l	CL03.1801.1000
Redox standard solution +358 mV - 25°C	500 ml	CL03.1804.0500
K3(Fe(CN)6)/K4(Fe(CN)6).3H2O/H2O (Store dark)	1 l	CL03.1804.1000
Redox standard solution +183 mV	500 ml	CL03.1802.0500
K4(Fe(CN)6).3H2O/K3(Fe(CN)6)/KCl (Store dark)	1 l	CL03.1802.1000
Redox standard solution +124 mV - 25°C	500 ml	CL03.1803.0500
K3(Fe(CN)6)/K4(Fe(CN)6).3H2O/H2O (Store dark)	1 l	CL03.1803.1000

Ion Selective Electrode Standards & Ionic Strength Adjuster Solutions

Ammonium chloride-Ammonia buffer pH 10 - ISE buffer	1 l	CL03.0122.1000
54 g NH4Cl + 350 ml NH4OH 25% / l H2O		
Ammonium sulfate 4 mol/l - ISE buffer	500 ml	CL03.0905.0500
528 g (NH4)2SO4 / l H2O		
Ammonium sulfate 2 mol/l electrode filling solution - ISE buffer	100 ml	CL03.0912.0100
264 g (NH4)2SO4 / l H2O		
Copper(II)-di-Ammonium EGTA 0.05 mol/l - ISE buffer	1 l	CL02.1197.1000
27.21 g CuK2(NH4)2C14H20N2O10 / l H2O		
Copper(II)-di-Ammonium EDTA 0.1 mol/l - ISE buffer	500 ml	CL02.1159.0500
38.784 g Cu(NH4)2C10H12N2O8 / l H2O		
Lithium chloride 4 mol/l - ISE buffer	500 ml	CL03.0908.0500
170 g LiCl / l H2O		
Nitrate standard solution for ISE measurements	1 pc	CL01.1444.0001
0 - 1 - 10 - 100 & 1000 mg/l NO3 in 1% KAl(SO4)2.12H2O sol.		
Nitrate ISE interfernce buffer solution - ISE buffer	500 ml	CL03.1123.0500
17.32g Al2(SO4)3.18H2O+3.43g Ag2SO4+1.28g H3BO3+2.52g H3NO3S / l H2O		
Potassium chloride 4 mol/l - ISE buffer	500 ml	CL03.0902.0500
305 g KCl / l H2O		
Potassium chloride 3.5 mol/l+Aluminium(III) sulfate 50 g/l solution - ISA buffer - ISE buffer	500 ml	CL03.1117.0500
250 g KCl + 50 g AlK(SO4)2.18H2O / l H2O	1 l	CL03.1117.1000
Potassium nitrate 2.5 mol/l - ISE buffer	500 ml	CL03.0906.0500
253 g KNO3 / l H2O		

Ion Selective Electrode Standards & Ionic Strength Adjuster Solutions

Sodium acetate buffer pH 4.7 - ISE buffer 132 g CH3COONa.3H2O + 86 ml CH3COOH / l H2O	1 l	CL03.1407.1000
Sodium chloride 5 mol/l - ISE buffer 292 g NaCl / l H2O	500 ml	CL03.0904.0500
Sodium hydroxide 10 mol/l - ISE buffer 400 g NaOH / l H2O	500 ml	CL03.0901.0500
Sodium nitrate 5 mol/l - ISE buffer 425 g NaNO3 / l H2O	500 ml	CL03.0903.0500
Sulfuric acid 2 mol/l - ISE buffer 196 g H2SO4 / l H2O	500 ml	CL03.0907.0500
TISAB-ENOL Buffer - ISE buffer 10 g CDTA + 58 g NaCl + 57 ml HAc + 29.4 g NaCitr. / l H2O to pH 5.5 with NaOH	250 ml 1 l	CL12.2001.0250 CL12.2001.1000
TISAB I Buffer - ISE buffer NaCl 58 g + HAc 57 ml + NaCitr. 300 mg / l H2O (pH 5.25 with NaOH)	1 l 5 l 10 l	CL03.2001.1000 CL03.2001.5000 CL03.2001.9010
TISAB II Buffer - ISE buffer 58 g NaCl + 57 ml CH3COOH + 4 g CDTA / l H2O (pH 5.3 with NaOH)	500 ml 1 l	CL03.2002.0500 CL03.2002.1000
TISAB III Buffer - ISE buffer 265 g NH4Cl + 53 g NH4Ac + 19 g CDTA / l H2O (pH 6 with NaOH) Do not store cold !	500 ml 1 l 10 l	CL03.2007.0500 CL03.2007.1000 CL03.2007.9010
TISAB IV Buffer - ISE buffer 84 ml HCl 37% + 242 g TRIS + 230 g C4H4Na2O6.2aq / l H2O (pH 8.5 ± 0.1)	500 ml	CL03.2009.0500
TISAB TRIS Buffer - ISE buffer 121.14 g C4H11NO3 (pH 9 with HNO3)	1 l	CL03.2010.1000

Salinity Standards

Sodium chloride 30 g/l solution 30 g NaCl / l H2O	250 ml	CL03.1414.0250
Sodium chloride 125 g/l solution 125 g NaCl / l H2O	250 ml	CL03.1416.0250
Sodium chloride 58.4 g/l solution 58.4 g NaCl / l H2O	250 ml	CL03.1415.0250
Sodium chloride 23 g/l solution 23 g NaCl / l H2O	250 ml	CL03.1413.0250

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Salinity Standards

Sodium chloride 5.84 g/l solution 5.84 g NaCl / l H2O	250 ml	CL03.1412.0250
Sodium chloride 3 g/l solution 3 g NaCl / l H2O	250 ml	CL03.1411.0250

Electrode Care & Maintenance Solutions

Cleaning and storage sol. for electrodes	250 ml	CL02.1801.0250
10 g Pepsine 350 U/ml / l H2O (Stabilised)	1 l	CL02.1801.1000
Cleaning solution for electrodes	500 ml	CL02.1803.0500
	1 l	CL02.1803.1000
22.5 ml HNO3 65% + 5 ml HF 40% / l H2O	10 l	CL02.1803.9010
	25 l	CL02.1803.9025
Potassium chloride 3.5 mol/l (AgCl sat.)	250 ml	CL03.1106.0250
261g KCl - AgCl saturated / l H2O (Store dark and at 20°C)	1 l	CL03.1106.1000
Potassium chloride 3 mol/l (AgCl sat.)	250 ml	CL03.1105.0250
224 g KCl / AgCl saturated / l H2O (Store dark and at 20°C)	1 l	CL03.1105.1000
Potassium chloride 3 mol/l	30 ml	CL03.1109.0030
	250 ml	CL03.1109.0250
	1 l	CL03.1109.1000
224 g KCl / l H2O	2,5 l	CL03.1109.2500
	10 l	CL03.1109.9010
Potassium nitrate 10% solution	100 ml	CL03.1112.0100
100 g KNO3 / l H2O	500 ml	CL03.1112.0500
Regeneration solution for electrodes	100 ml	CL02.1837.0100
25 g NH4HF2 / l H2O		

TOC Standards

TOC 10.000 mg/l standard solution (organic)	1 l	CL01.2081.1000
21.255 g C8H5O4K / l H2O		
TOC 1.000 mg/l standard solution (organic)	1 l	CL01.2086.1000
2.1255 g C8H5O4K / l H2O (Keep Cool !)		
TOC 500 mg/l standard solution (organic)	1 l	CL01.2086.500.1000
1.063 g C8H5O4K / l H2O (Keep Cool !)		
TOC 100 mg/l standard solution (organic)	1 l	CL01.2086.100.1000
212.6 mg C8H5O4K / l H2O (Keep Cool !)		

TOC Standards

TOC 50 mg/l standard solution (organic) 106.3 mg C8H5O4K / l H2O (Keep Cool !)	1 l	CL01.2086.050.1000

TIC Standards

TIC 10.000 mg/l standard solution (inorganic) 44.122 g Na2CO3 + 34.972 g NaHCO3 / l H2O	1 l	CL01.2083.1000
TIC 1.000 mg/l standard solution (inorganic) 4.4122 g Na2CO3 + 3.4972 g NaHCO3 / l H2O (Keep Cool !)	1 l	CL01.2087.1000
TIC 500 mg/l standard solution (inorganic) 2.2061 g Na2CO3 + 1.7486 g NaHCO3 / l H2O (Keep Cool !)	1 l	CL01.2087.500.1000
TIC 100 mg/l standard solution (inorganic) 441.2 mg Na2CO3 + 349.8 mg NaHCO3 / l H2O (Keep Cool !)	1 l	CL01.2087.100.1000
TIC 50 mg/l standard solution (inorganic) 0.2206 g Na2CO3 + 174.9 mg NaHCO3 / l H2O (Keep Cool !)	1 l	CL01.2087.050.1000

COD Standards

COD Standard solution (5.000 COD units) 4.265 g C8H5O4K / l H2O	1 l	CL01.0383.1000
COD Standard solution (1000 COD units) 666 mg C32H12CuN8Na4O12S4 / l H2O	1 l	CL01.0386.1000
COD Standard solution (1000 COD units) 853 mg C8H5O4K / H2O (Keep Cool !)	1 l	CL01.0387.1000
COD Standard solution (500 COD units) 426.5 mg C8H5O4K / l H2O (Keep Cool !)	1 l	CL01.0382.1000
COD Standard solution (200 COD units) 170.6 mg C8H5O4K / l H2O	100 ml 500 ml	CL01.0384.0100 CL01.0384.0500
COD Standard solution (50 COD units) 42.7 mg C8H5O4K / l H2O (Keep Cool !)	1 l	CL01.0381.1000

APHA Colour Standards

Colour stock standard solution 500 A.P.H.A. units 1.246 g K2PtCl6 + 1 g CoCl2.6H2O + 100 ml HCl 37% / l H2O	100 ml 500 ml 1 l	CL01.0860.0100 CL01.0860.0500 CL01.0860.1000

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

Turbidity Standards

Formazine turbidity standard 40 NTU 50 mg H4N2.H2SO4 + 500 mg C6H12N4 / l H2O		500 ml 1 l	CL01.0661.0500 CL01.0661.1000

UV/VIS Spectrophotometer Calibration Standards

Chromate calibration solution 100 mg K2Cr2O7 / l H2SO4 0.005 mol/l		250 ml	CL02.0328.0250
Chromate calibration solution (UV-VIS Standard 1A) 600.6 mg K2Cr2O7 / l H2SO4 0.01 N	NEW	1 ml	CL02.0377.0001
Chromate calibration solution (UV-VIS Standard 1) 60 mg K2Cr2O7 / l H2SO4 0.01 N	NEW	10 ml	CL02.0374.0010
Potassium chloride solution (UV-VIS Standard 4) 12 g KCl / l in H2O	NEW	10 ml	CL02.1198.0010
Toluene standard solution (UV-VIS Standard 5) Solution contains 0,02% (v/v) in n-Hexane	NEW	10 ml	CL41.2065.0010
Holmium(III) oxide calibration solution (UV-VIS Standard 6) 5% Ho2O3 / 1.4 mol/l HClO4	NEW	100 ml	CL02.0804.0100

Volumetric Standards, Secondary Refererence Materials Traceable to NIST

Benzoic acid, reference material for NIST 99.5-100.5% C6H5COOH	NEW	50 g	CL00.0252.0050
Calcium carbonate, reference material for NIST 99.95+% CaCO3	NEW	50 g	CL00.2947.0050
Iron(II) ethylene di-ammoniumsulfate, reference material for NIST 99.7+% C2H10N2O4S.FeSO4.4H2O	NEW	50 g	CL00.0943.0050
Potassium dichromate, reference material for NIST 99.95+% K2Cr2O7	NEW	50 g	CL00.3720.0050
Potassium hydrogen phthalate, reference material for NIST 99.5+% C8H5O4K	NEW	50 g	CL00.3732.0050
Potassium iodate, reference material for NIST 99.95+% KIO3		50 g	CL00.1677.0050
Sodium carbonate, reference material for NIST 99.95+% Na2CO3	NEW	50 g	CL00.4040.0050

Volumetric Standards, Secondary Refererence Materials Traceable to NIST

Sodium chloride, reference material for NIST 99.95+% NaCl	NEW	50 g	CL00.4038.0050
di-Sodium oxalate, reference material for NIST 99.7+% C2Na2O4	NEW	50 g	CL00.4052.0050
Tris(hydroxymethyl) aminomethane, reference material for NIST 99.9+% C4H11NO3	NEW	50 g	CL00.2083.0050
Zinc, reference material for NIST 99.95+% Zn	NEW	50 g	CL00.2647.0050

Brix Standards

Saccharose 60 weight % solution 600 g C12H22O11 / kg H2O (= 60°Bx at 20°C)	NEW	25 ml	CL12.1924.0025
Saccharose 55 weight % solution 550 g C12H22O11 / kg H2O (= 55°Bx at 20°C)	NEW	25 ml	CL12.1923.0025
Saccharose 50 weight % solution 500 g C12H22O11 / kg H2O (= 50°Bx at 20°C)		25 ml	CL12.1907.0025
Saccharose 45 weight % solution 450 g C12H22O11 / kg H2O (= 45°Bx at 20°C)	NEW	25 ml	CL12.1922.0025
Saccharose 40 weight % solution 400 g C12H22O11 / kg H2O (= 40°Bx at 20°C)	NEW	25 ml	CL12.1921.0025
Saccharose 35 weight % solution 350 g C12H22O11 / kg H2O (= 35°Bx at 20°C)	NEW	25 ml	CL12.1920.0025
Saccharose 30 weight % solution 300 g C12H22O11 / kg H2O (= 30°Bx at 20°C)	NEW	25 ml	CL12.1919.0025
Saccharose 25 weight % solution 250 g C12H22O11 / kg H2O (= 25°Bx at 20°C)	NEW	25 ml	CL12.1918.0025
Saccharose 20 weight % solution 200 g C12H22O11 / kg H2O (= 20°Bx at 20°C)	NEW	25 ml	CL12.1917.0025
Saccharose 15 weight % solution 150 g C12H22O11 / kg H2O (= 15°Bx at 20°C)	NEW	25 ml	CL12.1916.0025
Saccharose 12.5 weight % solution 125 g C12H22O11 / kg H2O (= 12.5°Bx at 20°C)	NEW	25 ml	CL12.1915.0025

Brix Standards

Saccharose 12 weight % solution	**NEW**	25 ml	CL12.1914.0025
120 g C12H22O11 / kg H2O (= 12°Bx at 20°C)			
Saccharose 11.5 weight % solution	**NEW**	25 ml	CL12.1913.0025
115 g C12H22O11 / kg H2O (= 11.5°Bx at 20°C)			
Saccharose 11.2 weight % solution	**NEW**	25 ml	CL12.1912.0025
112 g C12H22O11 / kg H2O (= 11.2°Bx at 20°C)			
Saccharose 10 weight % solution	**NEW**	25 ml	CL12.1911.0025
100 g C12H22O11 / kg H2O (= 10°Bx at 20°C)			
Saccharose 7 weight % solution	**NEW**	25 ml	CL12.1910.0025
70 g C12H22O11 / kg H2O (= 7°Bx at 20°C)			
Saccharose 5 weight % solution	**NEW**	25 ml	CL12.1909.0025
50 g C12H22O11 / kg H2O (= 5°Bx at 20°C)			
Saccharose 0 weight % solution	**NEW**	25 ml	CL12.1908.0025
H2O (= 0°Bx at 20°C)			

Hardness Standards General

Hardness standard solution 100°FH for IC (Ion HIQU)		100 ml	CL01.0812.0100
1 g CaCO3 / l 0.4% HCl		500 ml	CL01.0812.0500
Hardness standard solution 100 °DH for IC (Ion HIQU)		100 ml	CL01.0811.0100
1.786 g CaCO3 / l 0.4% HCl		500 ml	CL01.0811.0500
Hardness standard solution 100°FH for IC (Ion ECON)		500 ml	CL01.0817.0500
1 g CaCO3 / l 0.4% HCl			
Hardness standard solution 100 °DH for IC (Ion ECON)		500 ml	CL01.0816.0500
1.786 g CaCO3 / l 0.4% HCl			

CIPAC Standard Solutions

Hardness standard solution A	**NEW**	5 l	CL01.0851.5000
20 ppm hardness - pH 6.0-7.0 - Ca/Mg = 50/50		10 l	CL01.0851.9010
Hardness standard solution B	**NEW**	5 l	CL01.0852.5000
20 ppm hardness - pH 8.0-9.0 - Ca/Mg = 80/20		10 l	CL01.0852.9010
Hardness standard solution C	**NEW**	5 l	CL01.0853.5000
500 ppm hardness - pH 7.0-8.0 - Ca/Mg = 80/20		10 l	CL01.0853.9010

CIPAC Standard Solutions

Hardness standard solution D	**NEW**	5 l	CL01.0854.5000
342 ppm hardness - pH 6.0-7.0 - Ca/Mg = 80/20		10 l	CL01.0854.9010
Hardness standard solution E	**NEW**	5 l	CL01.0855.5000
1500 ppm hardness - pH 7.0-8.0 - Ca/Mg = 80/20		10 l	CL01.0855.9010
Hardness standard solution F	**NEW**	5 l	CL01.0856.5000
5000 ppm hardness - pH 6.0-7.0 - Ca only		10 l	CL01.0856.9010
Hardness standard solution G	**NEW**	5 l	CL01.0857.5000
8000 ppm hardness - pH 6.0-7.0 - Mg only		10 l	CL01.0857.9010

Osmolality Standards

Osmolality standard 700 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1507.0005
22.380 g NaCl / kg H2O = 700 mOsm/kg			
Osmolality standard 600 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1506.0005
19.147 g NaCl / kg H2O = 600 mOsm/kg			
Osmolality standard 500 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1505.0005
15.916 g NaCl / kg H2O = 500 mOsm/kg			
Osmolality standard 400 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1504.0005
12.684 g NaCl / kg H2O = 400 mOsm/kg			
Osmolality standard 300 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1503.0005
9.463 g NaCl / kg H2O = 300 mOsm/kg			
Osmolality standard 200 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1502.0005
6.260 g NaCl / kg H2O = 200 mOsm/kg			
Osmolality standard 100 mOsm/kg H2O solution (5 x 5 ml)	**NEW**	5 ml	CL03.1501.0005
3.087 g NaCl / kg H2O = 100 mOsm/kg			

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

531-RM

ISO GUIDE 34:2009

Versie/Version/Fassung	1
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

Bijlage bij accreditatie-certificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

531-CAL

NBN EN ISO/IEC 17025:2005

Versie/Version/Fassung	4
Uitgiftedatum / Date d'émission / Issue date / Ausgabedatum:	2017-05-11
Geldigheidsdatum / Date limite de validité / Validity date / Gültigkeitsdatum:	2018-03-05

Nicole Meurée-Vanlaethem
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

Chem-Lab nv
Industriezone "De Arend", 2
8210 ZEDELGEM

LF Values / °C for Conductivity standard solutions

Type 1:	0.01 mol/l KCl	0.1 mol/l KCl	1 mol/l KCl
CL Nrs :	CL03.1101	CL03.1108	CL03.1104
Temperature	**LF values**	**LF values**	**LF values**
0°C	776 µS	7.15 mS	65.4 mS
1°C	800 µS	7.36 mS	67.1 mS
2°C	823 µS	7.57 mS	68.8 mS
3°C	847 µS	7.79 mS	70.6 mS
4°C	872 µS	8.00 mS	72.3 mS
5°C	896 µS	8.22 mS	74.1 mS
6°C	920 µS	8.44 mS	75.9 mS
7°C	945 µS	8.66 mS	77.7 mS
8°C	970 µS	8.88 mS	79.5 mS
9°C	995 µS	9.10 mS	81.4 mS
10°C	1020 µS	9.33 mS	83.2 mS
11°C	1045 µS	9.56 mS	85.0 mS
12°C	1070 µS	9.79 mS	86.9 mS
13°C	1096 µS	10.02 mS	88.7 mS
14°C	1121 µS	10.25 mS	90.6 MS
15°C	1147 µS	10.48 mS	92.5 mS
16°C	1173 µS	10.72 mS	94.4 mS
17°C	1199 µS	10.95 mS	96.3 mS
18°C	1225 µS	11.19 mS	98.2 mS
19°C	1251 µS	11.43 mS	100.2 mS
20°C	**1278 µS**	**11.67 mS**	**102.1 mS**
21°C	1305 µS	11.91 mS	104.0 mS
22°C	1332 µS	12.15 mS	105.9 mS
23°C	1359 µS	12.39 mS	107.9 mS
24°C	1386 µS	12.64 mS	109.8 mS
25°C	1413 µS	12.88 mS	111.8 mS
26°C	1441 µS	13.13 mS	113.8 mS
27°C	1468 µS	13.37 mS	115.7 mS
28°C	1496 µS	13.62 mS	117.7 mS
29°C	1524 µS	13.87 mS	119.7 mS
30°C	1552 µS	14.12 mS	121.7 mS

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

pH Values / °C for NBS – Standard Buffer Solutions

Type :	PTOxalate	FTALATE	PHOSPHATE	BORATE	CARBONATE	$Ca(OH)_2$
CL Nrs :	CL03.1107	CL03.0602	CL03.0601	CL03.0202	CL03.0301	CL03.0302
CL Coloured :	CL03.0708	CL03.0702	CL03.0703	CL03.0705	CL03.0701	CL03.0707
Temperature	**pH values**	**pH values**	**pH values**	**pH values**	**pH values**	**pH values**
0°C	1.666	4.003	6.984	9.464	10.32	13.433
5°C	1.668	3.999	6.951	9.395	10.24	13.207
10°C	1.670	3.998	6.923	9.332	10.18	13.003
15°C	1.672	3.999	6.900	9.276	10.12	12.810
20°C	**1.675**	**4.002**	**6.881**	**9.225**	**10.060**	**12.627**
25°C	1.679	4.008	6.865	9.180	10.01	12.454
30°C	1.683	4.015	6.853	9.139	9.97	12.289
40°C	1.694	4.035	6.838	9.068	9.89	11.984
50°C	1.707	4.060	6.833	9.011	9.83	11.705
60°C	1.723	4.091	6.836	8.962	-	11.449
70°C	1.743	4.126	6.845	8.921	-	-
80°C	1.766	4.164	6.859	8.885	-	-

pH Values / °C for buffer solutions

pH	Art. Nr.	Comp. / l sol.	Buf. cap. ß	0°C	10°C	20°C	25°C	30°C	40°C	50°C	60°C	70°C	80°C	90°C
pH 1	CL03.0203	3.73 g KCl + 134 ml HCl*	0.32	0.94	0.99	**1.00**	1.00	1.00	1.01	1.01	1.01	1.01	1.02	1.02
pH 2	CL03.0209	6.43 g HCitr. + 3.58 g NaCl + 8.2 ml HCl*	0.03	1.99	1.99	**2.00**	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
pH 2**	CL03.0706	6.43 g HCitr. + 3.58 g NaCl + 8.2 ml HCl*	0.03	1.99	1.99	**2.00**	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
pH 3	CL03.0210	8.47 g HCitr. + 3.49 g NaCl + 20.6 ml NaOH*	0.03	3.03	3.02	**3.00**	3.00	3.00	2.99	2.98	2.98	2.98	2.98	2.97
pH 4	CL03.0213	11.76 g HCitr. + 2.57 g NaCl + 68 ml NaOH*	0.04	4.03	4.02	**4.00**	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
pH 4**	CL03.0702	11.76 g HCitr. + 2.57 g NaCl + 68 ml NaOH*	0.04	4.03	4.02	**4.00**	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
pH 5	CL03.0214	20.26 g HCitr. + 196.4 ml NaOH*	0.07	5.05	5.02	**5.00**	5.00	5.00	5.00	5.02	5.04	5.07	5.10	5.13
pH 6	CL03.0215	12.53 g HCitr. + 159.6 ml NaOH*	0.03	6.03	6.01	**6.00**	6.01	6.02	6.04	6.06	6.09	6.13	6.18	6.24
pH 7	CL03.0216	3.52 g KH2PO4 + 7.26 g Na2HPO4.2aq	0.03	7.13	7.05	**7.00**	6.99	6.98	6.97	6.96	6.96	6.97	6.98	7.00
pH 7**	CL03.0704	3.52 g KH2PO4 + 7.26 g Na2HPO4.2aq	0.03	7.13	7.05	**7.00**	6.99	6.98	6.97	6.96	6.96	6.97	6.98	7.00
pH 8	CL03.0217	4.77 g Na2B4O7.10aq + 20.5 ml HCl*	0.014	8.18	8.09	**8.00**	7.97	7.94	7.90	7.86	7.82	7.80	7.77	7.75
pH 9	CL03.0218	4.77 g Na2B4O7.10aq + 4.6 ml HCl*	0.02	9.24	9.11	**9.00**	8.97	8.93	8.86	8.80	8.75	8.71	8.67	8.64
pH 10	CL03.0204	4.77 g Na2B4O7.10aq + 18.3 ml NaOH*	0.013	10.24	10.10	**10.00**	9.95	9.90	9.82	9.75	9.68	9.62	9.55	9.49
pH 10**	CL03.0710	4.77 g Na2B4O7.10aq + 18.3 ml NaOH*	0.013	10.24	10.10	**10.00**	9.95	9.90	9.82	9.75	9.68	9.62	9.55	9.49
pH 11	CL03.0206	6.209 g H3BO3 + 4.0 g NaOH + 3.7 g KCl	0.013	11.45	11.20	**11.00**	10.90	10.81	10.64	10.48	10.33	10.19	10.06	9.93
pH 12	CL03.0207	4.45 g Na2HPO4.2aq + 0.892 g NaOH	0.02	12.58	12.26	**12.00**	11.88	11.75	11.53	11.31	11.09	10.88	10.68	10.48
pH 13	CL03.0208	0.375 g Glycin + 0.222 g NaCl + 95 ml NaOH*				**13.00**								

(*) = 1 mol/l sol.

(**) = coloured

Conformity attest available on request. All solutions are stabilised, so they keep fresh for over 2 years.

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

mV Values / °C for Redox Standard Solutions

CL03.1803 Redox Standaard 124 mV – 25°C		CL03.1804 Redox Standaard 358 mV – 25°C	
Temperature	**mV**	**Temperature**	**mV**
2°C	153 mV	2°C	385 mV
4°C	150 mV	4°C	382 mV
6°C	147 mV	6°C	380 mV
8°C	144 mV	8°C	378 mV
10°C	141 mV	10°C	376 mV
12°C	138 mV	12°C	373 mV
14°C	136 mV	14°C	371 mV
16°C	134 mV	16°C	368 mV
18°C	132 mV	18°C	366 mV
20°C	130 mV	20°C	364 mV
22°C	127 mV	22°C	361 mV
24°C	125 mV	24°C	359 mV
25°C	124 mV	25°C	358 mV
26°C	123 mV	26°C	357 mV
28°C	125 mV	28°C	355 mV
30°C	122 mV	30°C	352 mV
32°C	120 mV	32°C	350 mV
34°C	117 mV	34°C	347 mV
36°C	115 mV	36°C	345 mV
38°C	112 mV	38°C	343 mV
40°C	99 mV	40°C	340 mV

Values ± 1 mV / °C

ICP Single Element Standards 1 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0101	CL01.0102								
Sb		CL01.0121				CL01.0122	CL01.0162			
As	CL01.0133	CL01.0132						CL01.0131		
Ba	CL01.0201	CL01.0202								
Be	CL01.0212	CL01.0211								
Bi	CL01.0221									
B	CL01.0232		CL01.0231							
Cd	CL01.0301									
Ca	CL01.0311	CL01.0312								
Ce	CL01.0321									
Cs	CL01.0331									
Cr	CL01.0362	CL01.0361	CL01.0352							
Co	CL01.1121	CL01.1122								
Cu	CL01.1131	CL01.1132								
Dy	CL01.0431									
Er	CL01.0501									
Eu	CL01.0511									
Gd	CL01.0701									
Ga	CL01.0711									
Ge						CL01.0741		CL01.0721		
Au		CL01.0731								
Hf		CL01.0802			CL01.0801					
Ho	CL01.0821									
In	CL01.0921									
Ir		CL01.0931								
Fe	CL01.0901	CL01.0902								
La	CL01.1201	CL01.1202								
Pb	CL01.1221									
Li	CL01.1212	CL01.1211								
Lu	CL01.1231									
Mg	CL01.1301	CL01.1302								
Mn	CL01.1311	CL01.1312								
Hg	CL01.1151									
Mo				CL01.1332		CL01.1331				
Nd	CL01.1411									
Ni	CL01.1421	CL01.1422								
Nb					CL01.1431					
Os		CL01.1501								
Pd		CL01.1601								
P	CL01.0641		CL01.0631							
Pt		CL01.1611								
K	CL01.1101	CL01.1102								
Pr	CL01.1621									
Re	CL01.1802		CL01.1801							
Rh		CL01.1811								
Rb	CL01.1822	CL01.1821								
Ru		CL01.1831								
Sm	CL01.1901									
Sc	CL01.1911									
Se	CL01.1922	CL01.1921								
Si			CL01.1999		CL01.1945	CL01.1932		CL01.1931	CL01.1935	
Ag	CL01.2601									
Na	CL01.1401	CL01.1402								
Sr	CL01.1962	CL01.1961								
S			CL01.2641							CL01.2642
Ta					CL01.2001	CL01.2002				
Te		CL01.2012				CL01.2013		CL01.2011		
Tb	CL01.2022									
Tl										
Th	CL01.2041									
Tm	CL01.2051									
Sn		CL01.2061				CL01.2062				
Ti		CL01.2072	CL01.4601		CL01.2071	CL01.2075				
W				CL01.2302	CL01.2301	CL01.2331				
V	CL01.2201									
Yb	CL01.2501									
Y	CL01.2511									
Zn	CL01.2611	CL01.2612								
Zr		CL01.2632			CL01.2631	CL01.2672				

ICP Single Element Standards 10 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0103	CL01.0104								
Sb		CL01.0123				CL01.0124				
As	CL01.0134									
Ba	CL01.0203	CL01.0204								
Be	CL01.0214									
Bi	CL01.0223									
B			CL01.0233							
Cd	CL01.0303									
Ca	CL01.0314									
Ce	CL01.0323									
Cs	CL01.0333									
Cr	CL01.0364	CL01.0363								
Co	CL01.1123	CL01.1128								
Cu	CL01.1133	CL01.1134								
Dy	CL01.0433									
Er	CL01.0503									
Eu	CL01.0513									
Gd	CL01.0703									
Ga										CL01.0713
Ge						CL01.0743				
Au		CL01.0733								
Hf		CL01.0804			CL01.0803					
Ho	CL01.0823									
In	CL01.0923									
Ir		CL01.0933								
Fe	CL01.0903	CL01.0904								
La	CL01.1203									
Pb	CL01.1223									
Li	CL01.1214									
Lu	CL01.1233									
Mg	CL01.1304	CL01.1310								
Mn	CL01.1313									
Hg	CL01.1153									
Mo				CL01.1334		CL01.1333				
Nd	CL01.1413									
Ni	CL01.1423									
Nb					CL01.1433					
Pd		CL01.1603								
P	CL01.0643		CL01.0633							CL01.0634
Pt		CL01.1613								
K	CL01.1104									
Pr	CL01.1623									
Re	CL01.1804		CL01.1803							
Rh		CL01.1813								
Rb	CL01.1824									
Ru		CL01.1834								
Sm	CL01.1903									
Sc	CL01.1913									
Se	CL01.1923									
Si					CL01.1943	CL01.1934		CL01.1933		
Ag	CL01.2603									
Na	CL01.1404									
Sr	CL01.1963									
S			CL01.2644							CL01.2643
Ta					CL01.2003	CL01.2004				
Te		CL01.2015				CL01.2014				
Tb	CL01.2023									
Tl	CL01.2033									
Th	CL01.2043									
Tm	CL01.2053									
Sn		CL01.2063								
Ti		CL01.2073				CL01.2074				
W				CL01.2303	CL01.2304	CL01.2333				
V	CL01.2203									
Yb	CL01.2503									
Y	CL01.2513									
Zn	CL01.2613									
Zr		CL01.2633								

AA Single Element Standards 1 000 mg/L

Element	HNO_3	HCl	H_2O	NH_4OH	HF	HNO_3/HF	HNO_3/tart.	KOH	NaOH	Others
Al	CL01.0106	CL01.0107	CL01.0105							
Sb		CL01.0126				CL01.0127				
As	CL01.0138	CL01.0137	CL01.0135					CL01.0136		
Ba	CL01.0206	CL01.0207								
Be	CL01.0217	CL01.0216								
Bi	CL01.0226									
B	CL01.0237		CL01.0236							
Cd	CL01.0306	CL01.0398	CL01.0305							
Ca	CL01.0316	CL01.0317								
Cr	CL01.0367	CL01.0366	CL01.0365 / CL01.0356							
Co	CL01.1126	CL01.1127	CL01.1125							
Cu	CL01.1136	CL01.1137	CL01.1135							
In	CL01.0926									
Fe	CL01.0906	CL01.0907	CL01.0905							
Pb	CL01.1226		CL01.1125							
Li	CL01.1217	CL01.1216								
Mg	CL01.1306	CL01.1307								
Mn	CL01.1316	CL01.1317	CL01.1315							
Hg	CL01.1156		CL01.1155							
Mo						CL01.1336				
Ni	CL01.1426	CL01.1427	CL01.1425							
Nb					CL01.1436					
P			CL01.0635							
K	CL01.1106	CL01.1107								
Se	CL01.1927	CL01.1926	CL01.1925							
Si								CL01.1936		
Ag	CL01.2606		CL01.2605							
Na	CL01.1406	CL01.1407								
Sr	CL01.1967	CL01.1966								
S			CL01.2646							CL01.2645
Te		CL01.2017				CL01.2018		CL01.2016		
Tl	CL01.2036									
Sn		CL01.2066								
Ti		CL01.2077			CL01.2076					
W				CL01.2308	CL01.2306					
V	CL01.2206			CL01.2205						CL01.2208
Y	CL01.2516									
Zn	CL01.2616	CL01.2617	CL01.2615							
Zr		CL01.2637			CL01.2636					

☛ Please photocopy this form for your use.

Tailor-Made AAS/ICP Multi Element Standard

Company: Phone:

Address: Fax:

E-mail:

Position:

Contact:

Standard Info : (mg/L – µg/L)

Elements

(Al)	Aluminium	(In)	Indium	(Sm)	Samarium
(Sb)	Antimony	(Ir)	Iridium	(Sc)	Scandium
(As)	Arsenic	(Fe)	Iron	(Se)	Selenium
(Ba)	Barium	(La)	Lanthanum	(Si)	Silicium
(Be)	Beryllium	(Pb)	Lead	(Ag)	Silver
(Bi)	Bismuth	(Li)	Lithium	(Na)	Sodium
(B)	Boron	(Lu)	Lutetium	(Sr)	Strontium
(Cd)	Cadmium	(Mg)	Magnesium	(S)	Sulfur
(Ca)	Calcium	(Mn)	Mangaan	(Ta)	Tantalum
(C)	Carbon	(Hg)	Mercury	(Te)	Tellurium
(Ce)	Cerium	(Mo)	Molybdenum	(Tb)	Terbium
(Cs)	Cesium	(Nd)	Neodymium	(Tl)	Thallium
(Cr)	Chromium	(Ni)	Nickel	(Th)	Thorium
(Co)	Cobalt	(Nb)	Niobium	(Tm)	Thulium
(Cu)	Copper	(Os)	Osmium	(Sn)	Tin
(Dy)	Dysprosium	(Pd)	Palladium	(Ti)	Titanium
(Er)	Erbium	(P)	Phosphorus	(W)	Tungsten
(Eu)	Europium	(Pt)	Platinum	(U)	Uranium
(Gd)	Gadolinium	(K)	Potassium	(V)	Vanadium
(Ga)	Gallium	(Pr)	Praseodymium	(Yb)	Ytterbium
(Ge)	Germanium	(Re)	Rhenium	(Y)	Yttrium
(Au)	Gold	(Rh)	Rhodium	(Zn)	Zinc
(Hf)	Hafnium	(Rb)	Rubidium	(Zr)	Zirconium
(Ho)	Holmium	(Ru)	Ruthenium		

Matrix : ..... Matrix concentration : ..... % Quantity : ..... × ..... mL

Additional info : .....

MSDS provided with all standards.

Send to:
CHEM-LAB NV
Industriezone "De Arend" 2
B-8210 ZEDELGEM
Belgium

For orders or inquiries, please contact us.
Phone: 0032 50 28 83 20
Fax: 0032 50 78 26 54
E-mail: info@chem-lab.be

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

☛ Please photocopy this form for your use.

Tailor-Made GC/HPLC Multi Component Standard

Company: Phone:

Address: Fax:

E-mail:

Position:

Contact:

	Analyte	Chem-Lab Catalog#	Cas#	Concentration
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

Total # of Analytes: .....

Conc. Units (check one): ☐ ng/mL(ppb) ..... ☐ ug/mL(ppm) ..... ☐ mg/mL(ppt) .....
☐ w/w% ..... ☐ v/v% ..... ☐ w/v% .....

Volume (check one): ☐ 1 mL ..... ☐ 2 mL ..... ☐ 5 mL ..... ☐ 10 mL .....
☐ Other ..... ☐ # of Units: .....

Amber Ampules used unless specified otherwise: .....

Documentation (check one):

☐ **Gravimetric Certification**: Guarantees the analytes in the custom standard to be made within ± 5% of specifications.

☐ **Quantitative Certification**: Includes verification of the concentration and peak identification.

All mixtures are prepared in accordance with our ISO 9001 registration. All analytes are certified >/= 98% unless noted. Corrections are made to 100% purity.

MSDS provided with all standards.

Send to:
CHEM-LAB NV
Industriezone "De Arend" 2
B-8210 ZEDELGEM
Belgium

For orders or inquiries, please contact us.
Phone: 0032 50 28 83 20
Fax: 0032 50 78 26 54
E-mail: info@chem-lab.be

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be

☛ Please photocopy this form for your use.

Tailor-Made GC/HPLC Multi Component Standard

Company: Phone:

Address: Fax:

E-mail:

Position:

Contact:

	Analyte	Chem-Lab Catalog#	Cas#	Concentration
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

Total # of Analytes: .....

Conc. Units (check one): ☐ ng/mL(ppb) ..... ☐ ug/mL(ppm) ..... ☐ mg/mL(ppt) .....
☐ w/w% ..... ☐ v/v% ..... ☐ w/v% .....

Volume (check one): ☐ 1 mL ..... ☐ 2 mL ..... ☐ 5 mL ..... ☐ 10 mL .....
☐ Other ..... ☐ # of Units: .....

Amber Ampules used unless specified otherwise: .....

Documentation (check one):

☐ **Gravimetric Certification**: Guarantees the analytes in the custom standard to be made within ± 5% of specifications.

☐ **Quantitative Certification**: Includes verification of the concentration and peak identification.

All mixtures are prepared in accordance with our ISO 9001 registration. All analytes are certified >/= 98% unless noted. Corrections are made to 100% purity.

MSDS provided with all standards.

Send to:
CHEM-LAB NV
Industriezone "De Arend" 2
B-8210 ZEDELGEM
Belgium

For orders or inquiries, please contact us.
Phone: 0032 50 28 83 20
Fax: 0032 50 78 26 54
E-mail: info@chem-lab.be

CHEM-LAB NV - BELGIUM - Tel. +32 (0)50 28 83 20 - Fax +32 (0)50 78 26 54 - info@chem-lab.be - www.chem-lab.be