



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**

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

Secrétariat:  
**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 - 5<sup>ème</sup> étage - B-1000 Bruxelles  
Website: <http://economie.fgov.be>  
Numéro d'entreprise: 0314.595.348

**Accréditation B E L A C Accreditation**

Tél: +32 2 277 54 34  
Fax: +32 2 277 54 41  
Internet: <http://belac.fgov.be>  
E-Mail: [Belac@economie.fgov.be](mailto: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 - 5<sup>ème</sup> verd. - B-1000 Brussel  
Website: <http://economie.fgov.be>  
Ondernemingsnummer: 0314.595.348

.be

Code	Product subjected to the test	Concentration (bij 20°C)	CMC Calibration and Measurement Capability, expressed as an expanded uncertainty (95 %) (% Relative)
BM001 comment (1)	<b>Anorganic standards in aqueous solution – Monoelements</b> <i>-Anion : Chloride, Bromide, Fluoride, Nitrite, Nitrate, Sulphate, Phosphate</i>	1.000 mg/L to 100.000 mg/L	0,5 % tot 1,0 %
	<b>Anorganic standards in aqueous solution – Multielements:</b> <i>-Anionen : Chloride, Bromide, Fluoride, Nitrite, Nitrate, Sulphate, Phosphate</i> <i>-Kationen : Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr</i>	1 mg/L tot 10.000 mg/L	1,0%
	<b>Organic standards in organic solvents– Monocomponents:</b> <i>-Volatiles: Dichlorodifluoromethane; Chloromethane; Vinyl Chloride; Bromomethane; Chloroethane; Trichlorofluoromethane; trans-1,2-Dichloroethene; Methylene Chloride; cis-1,2-Dichloroethene; 1,1-Dichloroethane; 1,1-Dichloroethene; 2,2-Dichloropropane; Bromochloromethane; Chloroform; 1,1,1-Trichloroethane; 1,2-Dichloroethane; cis-1,3-Dichloropropene; Benzene; Carbon Tetrachloride; 1,2-Dichloropropane; Trichloroethene; Dibromomethane; Bromodichloromethane; trans-1,3-Dichloropropene; 1,1-Dichloropropene; Toluene; 1,1,2-Trichloroethane; 1,3-Dichloropropane; Dibromochloromethane; 1,2-Dibromoethane; Tetrachloroethene; Chlorobenzene; 1,1,1,2-Tetrachloroethane; Ethylbenzene; m-Xylene; p-Xylene; Bromoform; Styrene; o-Xylene; 1,1,2,2-Tetrachloroethane; 1,2,3-Trichloropropane; Isopropylbenzene; Bromobenzene; n-Propylbenzene; 2-Chlorotoluene; 4-Chlorotoluene; 1,3,5-Trimethylbenzene; tert-Butylbenzene; 1,2,4-Trimethylbenzene; 1,3-Dichlorobenzene; sec-Butylbenzene; 1,4-Dichlorobenzene; p-Isopropyltoluene; 1,2-Dichlorobenzene; n-Butylbenzene; 1,2-Dibromo-3-Chloropropane; 1,2,4-Trichlorobenzene; Naphthalene; Hexachlorobutadiene; 1,2,3-Trichlorobenzene</i>  <i>-Phenols: phenol; 2-chlorophenol; 2-methylphenol (o-cresol); m-Cresol; p-Cresol; 2-nitrophenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,6-Dichlorophenol; 4-chloro-3-methylphenol; 2,4,5-Trichlorophenol; 2,4,6-trichlorophenol; 2,4-dinitrophenol; 4-nitrophenol; 2,3,5,6-Tetrachlorophenol; 2,3,4,5-Tetrachlorophenol; 2,3,4,6-Tetrachlorophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; Dinoseb; Dinex</i>  <i>-PAHs : Naphthalene; Acenaphthylene; Acenaphthene; Fluorene; Phenanthrene; Anthracene; Fluoranthene; Pyrene; Benz[a]anthracene; Chrysene; Benzo[b]fluoranthene; Benzo[k]fluoranthene; Benzo[a]pyrene; Indeno[1,2,3,c,d]pyrene; Dibenzo[a,h]anthracene; Benzo[g,h,i]perylene</i>	100 mg/L tot 200.000 mg/L	1,0 % tot 4,0 %

Code	Product subjected to the test	Concentration (bij 20°C)	CMC Calibration and Measurement Capability, expressed as an expanded uncertainty (95 %) (% Relative)
BM001 comment (1)	<p><b>-Pesticides :</b> Etridiazole; Chlorneb; alfa-HCH; beta-HCH; Simazine; Atrazine; delta.HCH; Chlorothalonil; Lindane; Alachlor; Heptachlor; Aldrin; DCPA (Dacthal); Heptachlor epoxide; cis-Chlordane; Endosulfan I; Dichlorphos; EPTC; Mevinphos; Butylate; Vernolate; Pebulate; Tebuthiuron; Molinate; Propachlor; Cycloate; Ethoprophos; Chlorpropham; Trifluralin; Atraton; Prometon; Atrazine; Propazine; Propyzamide; Methyl Paraoxon; Turbacil; Metribuzin; Alachlor; Simetryn; Ametryn; Prometryn; Terbutryn; Metolachlor; Chlorpyrifos; Bromacil; Triademefon; Cyanazine; Diphenamid; MGK 275 (Isomer 1); MGK 275 (Isomer 2); Stirifos (Tetrachlorvinphos); Butachlor; Propanamide; Tricyclazole; Norflurazon; Hexazinone; Fenarimol; Fluridone; trans-Chlordane; trans-Nonachlor; 4,4'-DDE; Dieldrin; Endrin; Chlorobenzilate; Endosulfan II; 4,4'-DDD; Endrin Aldehyde; Endosulfan sulfate; 4,4'-DDT; Methoxychlor; cis-Permethrine; trans-Permethrin</p>	100 mg/L tot 200.000 mg/L	1,0 % tot 4,0 %
	<p><b>- Polychlorinated Biphenyls (PCBs) :</b> 2,4,4'-Trichlorobiphenyl (PCB 28); 2,2',5,5'-Tetrachlorobiphenyl (PCB 52); 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101); 2,3',4,4',5-Pentachlorobiphenyl (PCB 118); 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)</p>	10 mg/L tot 10.000 mg/L	1,0 % tot 4,0 %
	<p><b>Organic standards in organic solvents – Multicomponents:</b></p> <p><b>-Volatiles:</b> Dichlorodifluoromethane; Chloromethane; Vinyl Chloride; Bromomethane; Chloroethane; Trichlorofluoromethane; trans-1,2-Dichloroethene; Methylene Chloride; cis-1,2-Dichloroethene; 1,1-Dichloroethane; 1,1-Dichloroethene; 2,2-Dichloropropane; Bromochloromethane; Chloroform; 1,1,1-Trichloroethane; 1,2-Dichloroethane; cis-1,3-Dichloropropene; Benzene; Carbon Tetrachloride; 1,2-Dichloropropane; Trichloroethene; Dibromomethane; Bromodichloromethane; trans-1,3-Dichloropropene; 1,1-Dichloropropene; Toluene; 1,1,2-Trichloroethane; 1,3-Dichloropropane; Dibromochloromethane; 1,2-Dibromoethane; Tetrachloroethene; Chlorobenzene; 1,1,1,2-Tetrachloroethane; Ethylbenzene; m-Xylene; p-Xylene; Bromoform; Styrene; o-Xylene; 1,1,2,2-Tetrachloroethane; 1,2,3-Trichloropropane; Isopropylbenzene; Bromobenzene; n-Propylbenzene; 2-Chlorotoluene; 4-Chlorotoluene; 1,3,5-Trimethylbenzene; tert-Butylbenzene; 1,2,4-Trimethylbenzene; 1,3-Dichlorobenzene; sec-Butylbenzene; 1,4-Dichlorobenzene; p-Isopropyltoluene; 1,2-Dichlorobenzene; n-Butylbenzene; 1,2-Dibromo-3-Chloropropane; 1,2,4-Trichlorobenzene; Naphthalene; Hexachlorobutadiene; 1,2,3-Trichlorobenzene</p> <p><b>-Phenols:</b> phenol; 2-chlorophenol; 2-methylphenol (o-cresol); m-Cresol; p-Cresol; 2-nitrophenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,6-Dichlorophenol; 4-chloro-3-methylphenol; 2,4,5-Trichlorophenol; 2,4,6-trichlorophenol; 2,4-dinitrophenol; 4-nitrophenol; 2,3,5,6-Tetrachlorophenol; 2,3,4,5-Tetrachlorophenol; 2,3,4,6-Tetrachlorophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; Dinoseb; Dinex</p>	1 mg/L tot 2.000 mg/L	1,0 % tot 4,0 %

Code	Product subjected to the test	Concentration (bij 20°C)	CMC Calibration and Measurement Capability, expressed as an expanded uncertainty (95 %) (% Relative)
BM001 comment (1)	<p><b>-PAHs:</b> Naphthalene; Acenaphthylene; Acenaphthene; Fluorene; Phenanthrene; Anthracene; Fluoranthene; Pyrene; Benz[a]anthracene; Chrysene; Benzo[b]fluoranthene; Benzo[k]fluoranthene; Benzof[a]pyrene; Indeno[1,2,3,c,d]pyrene; Dibenz[a,h]anthracene; Benzo[g,h,i]perylene</p> <p><b>-Pesticides:</b> Etridiazole; Chlorneb; alfa-HCH; beta-HCH; Simazine; Atrazine; delta.HCH; Chlorothalonil; Lindane; Alachlor; Heptachlor; Aldrin; DCPA (Dacthal); Heptachlor epoxide; cis-Chlordane; Endosulfan I; Dichlorphos; EPTC; Mevinphos; Butylate; Vernolate; Pebulate; Tebuthiuron; Molinate; Propachlor; Cycloate; Ethoprophos; Chlorpropham; Trifluralin; Atraton; Prometon; Atrazine; Propazine; Propyzamide; Methyl Paraoxon; Turbacil; Metribuzin; Alachlor; Simetryn; Ametryn; Prometryn; Terbutryn; Metolachlor; Chlorpyrifos; Bromacil; Triademefon; Cyanazine; Diphenamid; MGK 275 (Isomer 1); MGK 275 (Isomer 2); Stirifos (Tetrachlorvinphos); Butachlor; Propanamide; Tricyclazole; Norflurazon; Hexazinone; Fenarimol; Fluridone; trans-Chlordane; trans-Nonachlor; 4,4'-DDE; Dieldrin; Endrin; Chlorobenzilate; Endosulfan II; 4,4'-DDD; Endrin Aldehyde; Endosulfan sulfate; 4,4'-DDT; Methoxychlor; cis-Permethrine; trans-Permethrin</p> <p>- <b>Polychlorinated Biphenyls (PCBs)</b> : 2,4,4'-Trichlorobiphenyl (PCB 28); 2,2',5,5'-Tetrachlorobiphenyl (PCB 52); 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101); 2,3',4,4',5-Pentachlorobiphenyl (PCB 118); 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)</p>	<p>1 mg/L tot 2.000 mg/L</p> <p>10 mg/L tot 10.000 mg/L</p>	<p>1,0 % tot 4,0 %</p> <p>1,0 % tot 4,0 %</p>
Code	Product subjected to the test	Mass fraction	CMC Calibration and Measurement Capability, expressed as an expanded uncertainty (95 %) (% Relative)
BM006 comment (2)	<p><b>Anorganic standards in aqueous solution – Monoelements:</b></p> <p><b>-Cations:</b> Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr</p>	<p>1.000 µg/g tot 10.000 µg/g</p>	<p>0,2 % tot 1,0 %</p>

**Comments:**

(1) Results and their measurement uncertainties are only valid on the volumetric/gravimetric value of the batch solution and not on the individual bottles (or ampules) produced from this batch solution.

(2) Results and their measurement uncertainties are only valid on the analytical value of the batch solution and not on the individual bottles (or ampules) produced from this batch solution.