



Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
Belgian Accreditation Body

EA MLA Signatory

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

054-TEST

EN ISO/IEC 17025:2017

Versie / Version / Version / Fassung	24
Geldigheidsperiode / Validité / Validity / Gültigkeitsdauer	2025-11-10 – 2027-03-24

Maureen Logghe

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:

LOVAP nv
Klaus-Michael Kuehnelaan 11
2440 Geel

Ondernemingsnummer / Numéro d'entreprise / Enterprise number / Unternehmensnummer:
0877.148.036

LIJST MET AFKORTINGEN

A.S.L.	Amtliche Sammlung von Untersuchungsverfahren - Lebensmittel
CMA	Compendium voor Monsternamen en Analyse
DIN	Deutsches Institut für Normung
ISO	International organization for Standardization
ISO/R	International organization for Standardization/Recommendation
ISO/TC	International organization for Standardization/Technical Committee
KB	Koninklijk Besluit
EN	Europese Norm
NF V	Norme française - Viande
WAC	Water Analyse Compendium
XP V	Norme française de routine expérimentale - Viande

WETTELIJKE REFERENTIES

- EG/152/2009 : *Verordening (EG) Nr. 152/2009 van de Commissie van 27 januari 2009 tot vaststelling van de bemonsterings- en analysemethoden voor de officiële controle van diervoeders*
- MB 19/06/1995 : *Ministerieel besluit van 19 juni 1995 tot wijziging van het ministerieel besluit van 18 december 1973 tot bepaling van de laboratoriumtechnieken voor het opsporen van residuen van stoffen met een kiemgroeiremmende werking*
- KB 29/10/1987: *Koninklijk Besluit tot vaststelling van de geldende referentiemethoden voor de ontleding van producten op basis van meel. Bijlage II: bepaling van het keukenzoutgehalte op de droge stof van brood en andere bakkerijproducten*

Testcode	Product/ Matrix	Gemeten eigenschap/parameter	Referentie beproevingsmethode	Test- of meetprincipe/ meettechniek
MICROBIOLOGISCHE PARAMETERS				
Eetwaren en/of diervoeders				
SM00132	Eetwaren	Anaeroob kiemgetal bij 37 °C	SP-VG M005 (1998)	Telling
SM00413	Eetwaren en diervoeder, swabs	Aeroob mesofiel kiemgetal bij 30 °C	ISO 4833 -1	Telling
SM00417	Eetwaren	Coagulase positieve staphylococci	ISO 6888-1	Telling
SM01574	Eetwaren en diervoeder, swabs	Enterobacteriaceae bij 37 °C	AFNOR BRD 07/24-11/13	Telling
SM00415	Eetwaren	Coliformen bij 30 °C	ISO 4832	Telling
SM00416	Eetwaren	Thermotolerante coliformen bij 44 °C	NF V08-060	Telling
SM00386	Eetwaren	Vermoedelijke Bacillus cereus bij 30 °C	ISO 7932	Telling
SM00404	Eetwaren	Beta-glucuronidase positieve Escherichia coli	ISO 16649-2	Telling
SM00407	Eetwaren	Clostridium perfringens	ISO 15213-2	Telling
SM00418	Eetwaren	Schimmels en gisten bij 25 °C	ISO 21527-1 en ISO 21527-2	Telling
SM00699	Eetwaren	Sulfietreducerende anaëroben, Sulfietreducerende Clostridium species	ISO 15213-1	Telling
SM00405	Eetwaren	Melkzuurbacteriën	ISO 15214	Telling
SM00142	Eetwaren	Enterococci	Eigen methode (uitvoering volgens NEN 6817)	Telling

SM00406	Eetwaren	Telling van <i>Listeria monocytogenes</i>	AFNOR BRD-07/05-09/01	Telling
SM00977	Vlees en vleeswaren	<i>Campylobacter</i>	Eigen methode (uitvoering volgens Microval MV2008LR12)	Telling
SM00199	Yoghurt	<i>Lactobacillus bulgaricus</i> en <i>Streptococcus thermophilus</i>	Afgeleid van ISO 7889	Telling
SM00390	Yoghurt	Vermoedelijke <i>Bifidobacterium</i>	ISO 29981	Telling
SM00419	Eetwaren en dierenvoeder, Swabs	<i>Salmonella</i>	AFNOR BRD 07/11-12/05 Rapid <i>Salmonella</i> short protocol	Opsporing
SM01573	Eetwaren	Opsporing van <i>Listeria</i> en <i>Listeria monocytogenes</i>	AFNOR BRD-07/4-09/98	Opsporing
SM00408	Swabs			
SM01262	Vis, schaal- en schelpdieren	Potentieel enteropathogene <i>Vibrio parahaemolyticus</i>	ISO 21872-1	Opsporing
SM00813	Nieren	Opsporen van residuen van stoffen met kiemgroeiremmende werking	Officiële methode MB 1995/06/19 (New Belgian Kidney Test)	Agar diffusion
SM04008	Eetwaren, Swabs	Vermoedelijke STEC	Eigen methode (uitvoering volgens Microval 2021LR96) iQ-Check STEC VirX and SerO real-time PCR	Opsporing

Waters				
SM00400	Drinkwater	Totaal kiemgetal bij 22 °C en bij 37 °C	ISO 6222 WAC/V/A/001	Telling
SM00047	Drinkwater	Coliformen en Escherichia coli	ISO 9308-1 WAC/V/A/002	Telling na membraanfiltratie
SM00403	Drinkwater	Enterococcen	ISO 7899-2 WAC/V/A/003	Telling na membraanfiltratie
SM00402	Drinkwater	Pseudomonas aeruginosa	ISO 16266 WAC/V/A/006	Telling na membraanfiltratie
SM00380	Drinkwater	Clostridium perfringens	ISO 14189 WAC/V/A/007	Telling na membraanfiltratie
SM00131	Drinkwater	Salmonella	ISO 19250 WAC/V/A/004	Opsporing na membraanfiltratie

ELISA, Real Time PCR en Enzymatisch

SM00116	Graanproducten, Vet en vetrijke producten, Vleesproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten	Opsporen van wei-eiwit en caseïne-eiwit	Methode gebaseerd op de Veratox kit (Neogen)	ELISA
SM00182	Vlees en vleesproducten, graanproducten, vet en vetrijke producten	Opsporen van soja-eiwit	Methode gebaseerd op de Veratox kit (Neogen)	ELISA
SM00794	Graanproducten, Vet en vetrijke producten, Vleesproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten	Opsporen van gluten-eiwit	Methode gebaseerd op de Veratox kit (Neogen)	ELISA
SM01561	Vleesproducten, bereide gerechten	Opsporen van DNA van varken	Methode gebaseerd op kit van life technologies	RT-PCR
SM01562	Melkproducten, Vleesproducten, bereide gerechten	Opsporen van DNA van rund	Methode gebaseerd op kit van life technologies	RT-PCR
SM01563	Vleesproducten, bereide gerechten	Opsporen van DNA van paard	Methode gebaseerd op kit van life technologies	RT-PCR
SM04051	Graanproducten, Vet en vetrijke producten, Melkproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten	GMO screening (p34, p 35, tNOS merkerelementen)	Methode gebaseerd op kit van life technologies	RT-PCR
SM00684	Vlees en vleeswaren	Zetmeel	Methode gebaseerd op kit Enzytec Generic Starch (UV method)	Enzymatische bepaling
SM00333	Vleesproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten	Citroenzuur	Methode gebaseerd op kit Enzytec Generic Citric acid (UV method)	Enzymatische bepaling

ANORGANISCHE PARAMETERS				
Eetwaren en/of diervoeders				
SM00786	Vlees en vleeswaren	Vocht (droge stof)	ISO 1442 (directe droging)	Gravimetrie
SM00449	Eetwaren (met uitzondering van vlees en vleeswaren) en diervoeders		Eigen methode (droging op 103 °C)	
SM00579	Eetwaren en diervoeder	Stikstof (eiwit)	Afgeleid van ISO 1871	Kjeldahl methode
SM00022	Vlees en vleeswaren	Stikstof (eiwit)	Afgeleid van ISO 937	Kjeldahl methode
SM00764	Eetwaren en diervoeder	Totale as	Eigen methode (uitvoering volgens ISO 936)	Gravimetrie
SM00586	Eetwaren en diervoeder	Reducerende suikers na inversie	Eigen methode	Titrimetrie
SM01031	Eetwaren en diervoeder	Totaal vet	Eigen methode	Gravimetrie (geautomatiseerd)
SM00122	Eetwaren	Totale voedingsvezels	Afgeleid van A.S.L.00.00.18	Gravimetrie
SM00123	Fruit- en groenteproducten, Kruiden en specerijen	As onoplosbaar in HCl	Eigen methode	Gravimetrie
SM00109	Vet en vetrijke producten, Fruit- en groenteproducten	Vrije vetzuren	Eigen methode	Titrimetrie
SM00110	Vet en vetrijke producten, Fruit- en groenteproducten	Peroxydegetal	Eigen methode	Titrimetrie

SM00192	Vloeibare fruit- en groenteproducten Niet-alcoholische dranken	Dichtheid	Eigen methode	Pyknometrie
SM00744	Graanproducten, Vet en vetrijke producten, Melkproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken, Bereide gerechten, Alcoholische dranken	pH	Eigen methode	Potentiometrie
SM00009	Vlees en vleeswaren	Zout	ISO 1841-1	Volhard methode
SM00012	Vlees en vleeswaren	pH	Afgeleid van ISO 2917	Potentiometrie
SM00023	Vlees en vleeswaren	Vrij vet	Afgeleid van ISO 1444	Gravimetrie
SM00026	Vlees en vleeswaren	Hydroxyproline	ISO 3496	Spectrofotometrie
SM00043	Vlees en vleeswaren	Totaal fosfor	Afgeleid van NEN ISO 13730	Spectrofotometrie
SM00796	Vis	Vluchtige basen (TVB-N)	Afgeleid van Verordening (EG) 2074/2005	Destillatie en titrimetrie

SM00010	Brood en andere bakkerijproducten	Keukenzout op droge stof	KB van 29 oktober 1987 tot vaststelling van de geldige referentiemethoden voor de ontleding van producten op basis van meel	Titrimetrie en gravimetrie
SM00103	Brood en andere bakkerijproducten	Droge stof	KB van 29 oktober 1987 tot vaststelling van de geldige referentiemethoden voor de ontleding van producten op basis van meel	Gravimetrie
SM00088	Melkproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken, Alcoholische dranken	Totale zuurheid	Eigen methode	Titrimetrie
SM00119	Fruit- en groenteproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken	Brix	Eigen methode	Refractometrie
SM00891	Bier	Oorspronkelijk extract, alcoholgehalte en relatieve dichtheid	Eigen methode	Densitometrie en NIR
SM01079	Vlees en vleeswaren, graanproducten	Wateractiviteit (aw)	ISO 18787	Elektrolytische meting

Waters				
SM00013	Drink-, afval-, grond- en oppervlaktewater	Geleidbaarheid	ISO 7888 WAC/III/A/004	Conductometrie
SM00053	Drink-, afval-, grond- en oppervlaktewater	pH	WAC/III/A/005	Potentiometrie
SM00148	Drink-, grond- en oppervlaktewater	Droogrest	WAC/III/A/001	Gravimetrie
SM00042	Drink- en grondwater	Bepaling van alkaliniteit en buffercapaciteit	ISO 9963-1 WAC/III/A/006	Titrimetrie
SM01576	Drink-, grond-, oppervlakte- en afvalwater	Totale hardheid	WAC/III/A/009	berekening van de totale hardheid uit Ca en Mg na ICP-MS
SM00360	Drink-, grond- en oppervlaktewater	Fluoride, chloride, nitraat, sulfaat, nitriet en orthofosfaat	NF EN ISO 10304 - 1 WAC/III/C/001	IC-CD
	Afvalwater	Chloride, nitraat, sulfaat en orthofosfaat		
SM01199	absorptievloeistoffen	HCl	LUC/III/001	IC-CD
SM00029	afvalwater	Fluoride	WAC/III/C/020	ionselectieve electrode
SM01222	absorptievloeistoffen	HF	LUC/III/006	ionselectieve electrode
SM01367	Absorptievloeistoffen	SO _x als sulfaat	LUC/III/008	IC-CD
SM00062	Afvalwater	Nitriet	WAC/III/C (NBN EN 26777)	Spectrofotometrie
SM00634	Drink-, afval-, grond- en oppervlaktewater	Ammonium stikstof (laag niveau) (≤ 2.0 mg N/l)	ISO 7150 WAC/III/E/020	Manuele spectrometrie

SM00052	Drinkwater	Oxydeerbaarheid	ISO 8467 WAC/III/D/022	Titrimetrie
SM00152	Afval-, grond- en oppervlaktewater	Kjeldahlstikstof	EN 25663 WAC/III/D/030	Digestie en titratie
SM00154	Afvalwater	Oliën en vetten (met petroleumether extraheerbare stoffen)	WAC/IV/B/005	Gravimetrie
SM00163	Afval-, grond- en oppervlaktewater	Vaste stoffen in suspensie	NF EN 872 WAC/III/D/002	Gravimetrie
SM00512	Afval-, grond- en oppervlaktewater	Bezinkbare stoffen	WAC/III/D/001	Imhoffkegel
SM00511	Afval- en oppervlaktewater	Chemische zuurstofverbruik (CZV)	ISO 15705 WAC/III/D/020	Spectrofotometrie
SM01044	Afvalwater	BZV bepaling na 5 dagen	ISO 5815-1 WAC/III/D/010	Verdunning en enting met onderdrukking van nitrificatie – elektrochemie
SM00537	Afval-, grond- en oppervlaktewater	Totaal N	WAC/III/D	Berekening: som van Kjeldahl-N, nitraat-N en nitriet-N
SM00663	Afvalwater	Opgelost Cr (VI)	WAC/III/C (ISO 11083)	Spectrofotometrie
SM00538	Afval-, grond- en oppervlaktewater	Totaal N	ISO 20236 WAC/III/D/033	Chemiluminescentie

AAS/ICP PARAMETERS				
Eetwaren en/of diervoeders				
SM01571	Graanproducten, Vet en vetrijke producten, Melkproducten, Vleesproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken, Kruiden en specerijen, Alcoholische dranken, Dierenvoeder	Arseen, Cadmium, Kwik, Lood, Aluminium, Ijzer, Koper, Nikkel, Zink	Eigen methode	microgolfdigestie en ICP-MS
SM00074	Visproducten, Fruit- en groenteproducten, Niet-alcoholische dranken, Bereide gerechten, Alcoholische dranken	Tin	Eigen methode	Verassing en ICP-OES
SM00446	Eetwaren	Natrium	Eigen methode	Digestie in digiprep en ICP-AES
Waters				
SM01569	Drink-, afval-, grond- en oppervlaktewater	Hg (totaal)	WAC/III/B/002 WAC/III/B/011 ISO 17294-01 en 02	ICP-MS
SM04599	Drink-, afval-, grond- en oppervlaktewater	Ag, Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, P, Pb, Sb, Se, Zn (totaal)	WAC/III/B/002 WAC/III/B/011 ISO 17294-01 en 02	ICP-MS
	Drinkwater, grondwater	Ca, Mg, K, Na (totaal)		

CHROMATOGRAFISCHE PARAMETERS

Eetwaren en/of diervoeders

SM00002	Graanproducten, Vet en vetrijke producten, Melkproducten, Vleesproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken, Bereide gerechten	Benzoë- en sorbinezuur	Eigen methode	HPLC-UV
SM00716	Eetwaren	Vetzuurspectrum	Eigen methode	Vetextractie, methylering en GC-FID detectie
SM01410	Graanproducten, Melkproducten, Vleesproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken	Glucose, Fructose, Saccharose, Maltose, Lactose, Sorbitol, Maltitol, Xylitol	Eigen methode	LC-MSMS
SM00230	Graanproducten, Melkproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken	Wateroplosbare vitamines: Vitamine B1 (thiamine), Vitamine B2 (riboflavine), Vitamine B3 (niacine), Vitamine B5 (pantotheenzuur), Vitamine B6 (pyridoxine), Vitamine H (biotine)	Eigen methode met interne standaardisatie	LC-MSMS
SM00240	Graanproducten, Melkproducten, Vleesproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken	Vetoplosbare vitamines: Vitamine D2 (ergocalciferol), Vitamine D3 (cholecalciferol), Vitamine E (alfa-tocoferol)	Eigen methode met interne standaardisatie	LC-MSMS
SM00703	Suiker en gesuikerde producten, Niet-alcoholische dranken	Aspartaam, Saccharine, Acesulfam K	Eigen methode	HPLC-UV
SM00707	Koffie/thee/infusies Niet-alcoholische dranken	Cafeïne	Eigen methode	HPLC-UV
SM00712	Chocolade en chocolade bevattende producten	Theobromine	Eigen methode	HPLC-UV

SM00040	Graanproducten, Melkproducten, Suiker en gesuikerde producten, Niet-alcoholische dranken	Synthetisch wateroplosbare kleurstoffen (kwalitatief)	Eigen methode	TLC
SM00200	Graanproducten, Vet en vetrijke producten, Melkproducten, Vleesproducten, Visproducten, Fruit- en groenteproducten, Suiker en gesuikerde producten, Bereide gerechten	Aflatoxines (G1, G2, B1, B2), Deoxynivalenol, Ochratoxine A, Fumonisine B1, Fumonisine B2, Toxine T2, Toxine HT2, Zearalenone	Eigen methode	LC-MSMS
SM00200	Alcoholische dranken	Deoxynivalenol, Ochratoxine A, Fumonisine B1, Fumonisine B2, Toxine T2, Toxine HT2, Zearalenone	Eigen methode	LC-MSMS
SM00200	Melkproducten	Aflatoxine M1	Eigen methode	LC-MSMS
SM00344	Fruit en groenten	Bromide en Nitraat	Eigen methode	IC-CD
SM00809 (**)	Voedsel van dierlijke oorsprong: eieren & eierproducten	Fipronil en Fipronil sulfon	Eigen methode	QuEChERS methode met LC-MSMS
SM01400	Graanproducten, Fruit- en groenteproducten, Koffie/thee/infusies	Acrylamide	Eigen methode met interne standaardisatie	LC-MSMS
SM00945	Graanproducten, Vet en vetrijke producten, Vleesproducten, Fruit- en groenteproducten, Koffie/thee/infusies, Kruiden en specerijen	Ethylene oxide en 2-chloro-ethanol	Eigen methode met interne standaardisatie	GC-MS headspace

SM00303	Graanproducten, Fruit- en groenteproducten, Niet-alcoholische dranken	Patuline	Eigen methode met interne standaardisatie	LC-MSMS
SM00715	Graanproducten, Vleesproducten, Suiker en gesuikerde producten, Bereide gerechten	Cholesterol	Eigen methode met interne standaardisatie	LC-MSMS
SM00802	Groenten en fruit	Dithiocarbamaten	Eigen methode met interne standaardisatie	GC-MS
SM00941	Groenten en fruit	Residu's van ethephon, chlormequat, mepiquat, maleic hydrazide, chlorate, perchlorate, fosetyl, phosphonic acid	Eigen methode met interne standaardisatie	QuPPE methode met LC-MSMS
SM00290	Fruit- en groenteproducten, Vleesproducten, Graanproducten, Suiker en gesuikerde producten, Melkproducten, Niet-alcoholische dranken, Alcoholische dranken	L-ascorbinezuur	Eigen methode	HPLC-UV
(**) gevalideerd volgens de actuele versie van het SANTE document.				

Waters en adsorptiepatronen

SM00489	Drink-, oppervlakte-, en afvalwater	vluchtige organische chloorkoolwaterstoffen, mono-aromatische KWS		WAC/IV/A/016	GC-MS/headspace
		1,1-dichlooretheen	Isopropylbenzeen		
		Dichloormethaan	1,2,3-trichloorpropaan		
		1,2-dichlooretheen, trans	2-chloortolueen		
		1,1-dichloorethaan	4-chloortolueen		
		1,2- dichlooretheen, cis	1,3-dichloorbenzeen		
		Chloroform	1,4-dichloorbenzeen		
		1,1,1-trichloorethaan	1,2-dichloorbenzeen		
		1,2-dichloorethaan	1,3,5-trichloorbenzeen		
		koolstoftetrachloride	1,2,4-trichloorbenzeen		
		Trichlooretheen	1,2,3-trichloorbenzeen		
		Broomdichloormethaan	Naftaleen		
		1,1,2-trichloorethaan	1,3-dichloorpropaan		
		Dibroomchloormethaan	1,2-dibroommethaan		
		Tetrachlooretheen	1,1,1,2-tetrachloorethaan		
		Chloorbenzeen	vinylchloride		

SM00489	Drink-, oppervlakte-, en afvalwater	Chloorethaan	broombenzeen	WAC/IV/A/016	GC-MS/headspace
		2,2-dichloorpropaan	n-propylbenzeen		
		Broomchloormethaan	1,3,5-trimethylbenzeen		
		1,1-dichloorpropeen	tert-butylbenzeen		
		1,2-dichloorpropaan	1,2,4-trimethylbenzeen		
		Dibroommethaan	sec-butylbenzeen		
		1,3-dichloorpropeen, cis	p-isopropyltolueen		
		1,3-dichloorpropeen, trans	n-butylbenzeen		
		Styreen	1,2-dibroom-3-chloorpropaan		
		bromoform	Hexachloorbutadieen		
		1,1,2,2-tetrachloorethaan	1,2,3-trimethylbenzeen		
		BETXs (benzeen, ethylbenzeen, tolueen, m + p-xyleen, o-xyleen)			
		MTBE (methyl-tert.butylether)			

SM00723	Drinkwater	Poly-aromatische koolwaterstoffen (PAK) (Borneff)		Eigen methode	HPLC-FLD
		benzo(a)pyreen	indeno(1,2,3-cd)pyreen		
		benzo(b)fluorantheen	benzo(ghi)peryleen		
		benzo(k)fluorantheen			
SM01254	Drinkwater	Acrylamide		Eigen methode met interne standaardisatie	LC-MSMS
SM04044	Drinkwater	Epichloorhydrine		Eigen methode	LC-MSMS
SM04615	Drinkwater	Bisfenol A		Eigen methode	GC-MSMS
SM01369	Op carboxen 1000 geadsorbeerde moleculen	Alcoholen en ketonen		LUC/IV/007 LUC/IV/009	GC-MS
SM01232	Op actief kool geadsorbeerde moleculen	Aromatische KWS, alifatische halogeen KWS, paraffinische acrylaten, esters, ethers, KWS		LUC/IV/001-002-004-006-008	GC-MS

BEMONSTERINGEN (in situ)				
SM00556	Afvalwater	Debietmeting	WAC/I/A/004 WAC/I/A/012	met alle types van meetschotten
SM00560	Afval- en oppervlaktewater	Proportionele bemonstering	WAC/I/A/004	(tijdsgebonden)
SM00561	Afvalwater	Proportionele bemonstering	WAC/I/A/004 WAC/I/A/012	(debietsgebonden – ultrasoon debietmeter of borrelbuisprincipe)
SM01200	Gasemissies	Volumedebiet en gassnelheid met pitotbuis	LUC/0/004	drukverschil mbv pitotbuis
		Meting van rookgastemperatuur	LUC/0/002	thermokoppel
SM01201	Gasemissies	Stofbemonstering en analyse	LUC/I/001 LUC/0/005	gravimetrische methode
SM01203	Gasemissies	Waterdampgehalte in afgassen	LUC/0/003	condensatie/adsorptie met silicagel
SM01204	Gasemissies	Gasvormig anorganisch HF	LUC/III/006	aanzuiging met verwarmde sonde in het gaskanaal en absorptie van gasvormig anorganisch HF in NaOH 0,1 N
SM01205	Gasemissies	Gasvormig anorganisch HCl	LUC/III/0001	aanzuiging met verwarmde sonde in het gaskanaal en absorptie van gasvormig anorganisch HCl in water
SM01366	Gasemissies	Gasvormig SO _x	LUC/III/008	aanzuiging met specifieke sonde en absorptie in H ₂ O ₂
SM01207	Gasemissies	Monitoring van zuurstof, CO ₂ , CO, SO ₂ en NO _x	LUC/II/001	O ₂ : paramagnetisme CO, CO ₂ , SO ₂ : IR NO _x : chemoluminescentie
SM01208	Gasemissies	Totaal gehalte aan organische koolstof	LUC/II/001	FID detectie
SM01233	Gasemissies	Bemonstering van organische componenten met adsorptiepatronen	LUC/IV/000	aanzuiging op actief kool/carboxen 1000

EXTERNE METINGEN (in situ)				
SM00147	Drink-, afval-, grond- en oppervlaktewater	Temperatuur	WAC/I/A/011	
SM00149	Drink-, afval-, grond- en oppervlaktewater	Opgeloste zuurstof	WAC/I/A/011	Chemiluminescentie
SM00690	Drink-, afval-, grond- en oppervlaktewater	Geleidbaarheid	WAC/I/A/011	Conductometrische doorstroomcel
SM01196	Drink-, afval-, grond- en oppervlaktewater	pH	WAC/I/A/011	Potentiometrie

Algemene code	Product/ Matrix	Gemeten eigenschap/parameter (type test)	Test- of meetprincipe/ meettechniek
FLEXIBELE SCOPE			
CHROMATOGRAFISCHE PARAMETERS			
Eetwaren en/of diervoeders			
SM00809 (**)	Plantaardige matrices (*)	Residu's van pesticiden (*)	QuEChERS methode met GC-MSMS en LC-MSMS
(*) Het laboratorium heeft de toelating om de gemeten eigenschappen/parameters, behorende tot de vermelde groep van gemeten eigenschappen/parameters, onder accreditatie te bepalen voor de producten/matrices, behorende tot de vermelde groep van producten/matrices, en dit volgens methoden die het vernoemde test-of meetprincipe of de vernoemde meettechniek hanteren. Deze toelating wordt gegeven op voorwaarde dat een aangepaste validatie en/of verificatie is uitgevoerd overeenkomstig het globaal validatie- en/of verificatieconcept, zoals vastgelegd in het managementsysteem van het laboratorium en de bepalingen van BELAC 2-002 en BELAC 2-101. Het laboratorium houdt, ten behoeve van elke aanvrager, een geactualiseerde en gedetailleerde lijst bij van de specifieke beproevingen (in termen van specifieke gemeten eigenschappen/parameters behorende tot de vermelde groep van gemeten eigenschappen/parameters, specifieke producten/matrices behorende tot de vermelde groep van producten/matrices en specifieke testmethoden) die onder accreditatie uitgevoerd worden. Opvraagbaar via E-mail: info@lovap.be			
(**) gevalideerd volgens de actuele versie van het SANTE document.			
Waters			
SM04590	Water (***)	Individuele PFAS en diverse somparameters (***)	Solid Phase Extraction - LC-MSMS
(***) Het laboratorium heeft de toelating om de gemeten eigenschappen/parameters, behorende tot de vermelde groep van gemeten eigenschappen/parameters, onder accreditatie te bepalen voor de producten/matrices, behorende tot de vermelde groep van producten/matrices, en dit volgens methoden die het vernoemde test-of meetprincipe of de vernoemde meettechniek hanteren. Deze toelating wordt gegeven op voorwaarde dat een aangepaste validatie en/of verificatie is uitgevoerd overeenkomstig het globaal validatie- en/of verificatieconcept, zoals vastgelegd in het managementsysteem van het laboratorium en de bepalingen van BELAC 2-002 en BELAC 2-101. Het laboratorium houdt, ten behoeve van elke aanvrager, een geactualiseerde en gedetailleerde lijst bij van de specifieke beproevingen (in termen van specifieke gemeten eigenschappen/parameters behorende tot de vermelde groep van gemeten eigenschappen/parameters, specifieke producten/matrices behorende tot de vermelde groep van producten/matrices en specifieke testmethoden) die onder accreditatie uitgevoerd worden. Opvraagbaar via E-mail: info@lovap.be			

Test code	Product/ Matrix	Measured property/ parameter	Reference to test method	Test or measurement principle/measurement technique
MICROBIOLOGICAL PARAMETERS				
Food and/or feed				
SM00132	Food	Anaerobic plate count at 37 °C	SP-VG M005 (1998)	Enumeration
SM00413	Food and feed, swabs	Aerobic mesophilic plate count at 30 °C	ISO 4833 -1	Enumeration
SM00417	Food	Coagulase positive staphylococci	ISO 6888-1	Enumeration
SM01574	Food and feed, swabs	Enterobacteriaceae at 37 °C	AFNOR BRD 07/24-11/13	Enumeration
SM00415	Food	Coliforms at 30 °C	ISO 4832	Enumeration
SM00416	Food	Thermotolerant coliforms at 44 °C	NF V08-060	Enumeration
SM00386	Food	Presumptive Bacillus cereus at 30 °C	ISO 7932	Enumeration
SM00404	Food	Beta-glucuronidase positive Escherichia coli	ISO 16649-2	Enumeration
SM00407	Food	Clostridium perfringens	ISO 15213-2	Enumeration
SM00418	Food	Fungi and Yeasts at 25 °C	ISO 21527-1 and ISO 21527-2	Enumeration
SM00699	Food	Sulfite reducing anaerobes, Sulfite reducing Clostridium species	ISO 15213-1	Enumeration
SM00405	Food	Lactic acid bacteria	ISO 15214	Enumeration
SM00142	Food	Enterococci	In house method (execution according to NEN 6817)	Enumeration

SM00406	Food	Enumeration of <i>Listeria monocytogenes</i>	AFNOR BRD-07/05-09/01	Enumeration
SM00977	Meat and meat products	<i>Campylobacter</i>	In house method (execution according to Microval MV2008LR12)	Enumeration
SM00199	Yoghurt	<i>Lactobacillus bulgaricus</i> and <i>Streptococcus thermophilus</i>	Derived from ISO 7889	Enumeration
SM00390	Yoghurt	Presumptive <i>Bifidobacterium</i>	ISO 29981	Enumeration
SM00419	Food and feed, swabs	<i>Salmonella</i>	AFNOR BRD 07/11-12/05 Rapid <i>Salmonella</i> short protocol	Detection
SM01573	Food	Detection of <i>Listeria</i> and <i>Listeria monocytogenes</i>	AFNOR BRD-07/4-09/98	Detection
SM00408	Swabs			
SM01262	Fish, crustaceans and shellfish	Potentially enteropathogenic <i>Vibrio parahaemolyticus</i>	ISO 21872-1	Detection
SM00813	Kidneys	Detection of residues of substances with a growth inhibitory effect	Official method MB 1995/06/19 (New Belgian Kidney Test)	Agar diffusion
SM04008	Food, Swabs	Presumptive STEC	In house method (execution according to Microval 2021LR96) iQ-Check STEC VirX and SerO real-time PCR	Detection

Waters				
SM00400	Drinking water	Total plate count at 22 °C and at 37 °C	ISO 6222 WAC/V/A/001	Enumeration
SM00047	Drinking water	Coliforms and Escherichia coli	ISO 9308-1 WAC/V/A/002	Enumeration after membrane filtration
SM00403	Drinking water	Enterococci	ISO 7899-2 WAC/V/A/003	Enumeration after membrane filtration
SM00402	Drinking water	Pseudomonas aeruginosa	ISO 16266 WAC/V/A/006	Enumeration after membrane filtration
SM00380	Drinking water	Clostridium perfringens	ISO 14189 WAC/V/A/007	Enumeration after membrane filtration
SM00131	Drinking water	Salmonella	ISO 19250 WAC/V/A/004	Detection after membrane filtration

ELISA, Real Time PCR and Enzymatic				
SM00116	Cereal products, Fat and fatty products, Meat products, Fruit and vegetable products, Sugar and sugary products	Detection of whey protein and casein protein	Method based on Veratox kit (Neogen)	ELISA
SM00182	Meat and meat products, cereal products, Fat and fatty products	Detection of soy protein	Method based on Veratox kit (Neogen)	ELISA
SM00794	Cereal products, Fat and fatty products, Meat products, Fish products, Fruit and vegetable products, Sugar and sugary products	Detection of gluten protein	Method based on Veratox kit (Neogen)	ELISA
SM01561	Meat products, Prepared dishes	Detection of pork DNA	Method based on kit from life technologies	RT-PCR
SM01562	Milk products, Meat products, Prepared dishes	Detection of beef DNA	Method based on kit from life technologies	RT-PCR
SM01563	Meat products, Prepared dishes	Detection of horse DNA	Method based on kit from life technologies	RT-PCR
SM04051	Cereal products, Fat and fatty products, Milk products, Fruit and vegetable products, Sugar and sugary products	GMO screening (p34, p 35, tNOS marker elements)	Method based on kit from life technologies	RT-PCR
SM00684	Meat and meat products	Starch	Based on kit Enzytec Generic Starch (UV method)	Enzymatic determination
SM00333	Meat products, Fish products, Fruit and vegetable products, Sugar and sugary products	Citric acid	Method based on kit Enzytec Generic Citric acid (UV method)	Enzymatic determination

INORGANIC PARAMETERS

Food and/or feed

SM00786	Meat and meat products	Moisture (dry matter)	ISO 1442 (direct drying)	Gravimetry
SM00449	Food (with the exception of meat and meat products) and feed		In house method (drying at 103 °C)	
SM00579	Food and feed	Nitrogen (protein)	Derived from ISO 1871	Kjeldahl method
SM00022	Meat and meat products	Nitrogen (protein)	Derived from ISO 937	Kjeldahl method
SM00764	Food and feed	Total ash	In house method (execution according to ISO 936)	Gravimetry
SM00586	Food and feed	Reducing sugars after inversion	In house method	Titrimetry
SM01031	Food and feed	Total fat	In house method	Gravimetry (automated)
SM00122	Food	Total dietary fiber	Derived from A.S.L.00.00.18	Gravimetry
SM00123	Fruit and vegetable products, Herbs and spices	Ash insoluble in HCl	In house method	Gravimetry
SM00109	Fat and fatty products, Fruit and vegetable products	Free fatty acids	In house method	Titrimetry
SM00110	Fat and fatty products, Fruit and vegetable products	Peroxide value	In house method	Titrimetry

SM00192	Liquid fruit and vegetable products, Non alcoholic drinks	Density	In house method	Pyknometry
SM00744	Cereal products, Fat and fatty products, Milk products, Fish products, Fruit and vegetable products, Sugar and sugary products, Non alcoholic drinks, Prepared dishes, Alcoholic drinks	pH	In house method	Potentiometry
SM00009	Meat and meat products	Salt	ISO 1841-1	Volhard method
SM00012	Meat and meat products	pH	Derived from ISO 2917	Potentiometry
SM00023	Meat and meat products	Free fat	Derived from ISO 1444	Gravimetry
SM00026	Meat and meat products	Hydroxyproline	ISO 3496	Spectrophotometry
SM00043	Meat and meat products	Total phosphorus	Derived from NEN ISO 13730	Spectrophotometry
SM00796	Fish	Total volatile basic nitrogen (TVB-N)	Derived from Regulation (EG) 2074/2005	Destillation and titrimetry

SM00010	Bread and other bakery products	Table salt on dry matter	Royal Decree of 29 October 1987 establishing the valid reference methods for the decomposition of products based on flour	Titrimetry and gravimetry
SM00103	Bread and other bakery products	Dry matter	Royal Decree of 29 October 1987 establishing the valid reference methods for the decomposition of products based on flour	Gravimetry
SM00088	Milk products, Fruit and vegetable products, Sugar and sugary products, Non alcoholic drinks, Alcoholic drinks	Total acidity	In house method	Titrimetry
SM00119	Fruit and vegetable products, Sugar and sugary products, Non alcoholic drinks	Brix	In house method	Refractometry
SM00891	Beer	Original extract, alcohol content, relative density	In house method	Densitometry and NIR
SM01079	Meat and meat products, cereal products	Water activity (aw)	ISO 18787	Electrolytic measurement

Waters				
SM00013	Drinking water, waste water, ground water and surface water	Conductivity	ISO 7888 WAC/III/A/004	Conductometry
SM00053	Drinking water, waste water, ground water and surface water	pH	WAC/III/A/005	Potentiometry
SM00148	Drinking water, ground water and surface water	Dry residue	WAC/III/A/001	Gravimetry
SM00042	Drinking water and ground water	Determination of alkalinity and buffer capacity	ISO 9963-1 WAC/III/A/006	Titrimetry
SM01576	Drinking water, waste water, ground water and surface water	Total hardness	WAC/III/A/009	calculation of total hardness from Ca and Mg after ICP-MS
SM00360	Drinking water, ground water and surface water	Fluoride, chloride, nitrate, sulfate, nitrite and orthophosphate	NF EN ISO 10304 - 1 WAC/III/C/001	IC-CD
	Waste water	Chloride, nitrate, sulfate and orthophosphate		
SM01199	Absorption liquid	HCl	LUC/III/001	IC-CD
SM00029	Waste water	Fluoride	WAC/III/C/020	ion-selective electrode
SM01222	Absorption liquid	HF	LUC/III/006	ion-selective electrode
SM01367	Absorption liquid	SO _x as sulfate	LUC/III/008	IC-CD
SM00062	Waste water	Nitrite	WAC/III/C (NBN EN 26777)	Spectrophotometry
SM00634	Drinking water, waste water, ground water and surface water	Ammonium nitrogen (low level) ($\leq 2,0$ mg N/l)	ISO 7150 WAC/III/E/020	Manual spectrometry

SM00052	Drinking water	Oxidizability	ISO 8467 WAC/III/D/022	Titrimetry
SM00152	Waste water, ground water and surface water	Kjeldahl nitrogen	EN 25663 WAC/III/D/030	Digestion and titration
SM00154	Waste water	Oils and fats (with petroleum ether extractable substances)	WAC/IV/B/005	Gravimetry
SM00163	Waste water, ground water and surface water	Suspended solids	NF EN 872 WAC/III/D/002	Gravimetry
SM00512	Waste water, ground water and surface water	Settable solids	WAC/III/D/001	Imhoff cone
SM00511	Waste water and surface water	Chemical oxygen demand (COD)	ISO 15705 WAC/III/D/020	Spectrophotometry
SM01044	Waste water	BOD determination after 5 days	ISO 5815-1 WAC/III/D/010	Dilution and seeding with suppression of nitrification - electrochemistry
SM00537	Waste water, ground water and surface water	Total N	WAC/III/D	Calculation: sum of Kjeldahl-N, nitrate-N en nitrite-N
SM00663	Waste water	Dissolved Cr (VI)	WAC/III/C (ISO 11083)	Spectrophotometry
SM00538	Waste water, ground water and surface water	Total N	ISO 20236 WAC/III/D/033	Chemiluminescence

AAS/ICP PARAMETERS				
Food and/or feed				
SM01571	Cereal products, Fat and fatty products, Milk products, Meat products, Fish products, Fruit and vegetable products, Sugar and sugary products, Non alcoholic drinks, Herbs and spices, Alcoholic drinks, Feed	Arsenic, Cadmium, Mercury, Lead, Aluminium, Iron, Copper, Nickel, Zinc	In house method	microwave digestion and ICP-MS
SM00074	Fish products, Fruit and vegetable products, Non alcoholic drinks, Prepared dishes, Alcoholic drinks	Tin	In house method	ashing and ICP-OES
SM00446	Food	Sodium	In house method	Digestion in digiprep and ICP-AES
Waters				
SM01569	Drinking water, waste water, ground water and surface water	Hg (total)	WAC/III/B/002 WAC/III/B/011 ISO 17294-01 and 02	ICP-MS
SM04599	Drinking water, waste water, ground water and surface water	Ag, Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, P, Pb, Sb, Se, Zn (total)	WAC/III/B/002 WAC/III/B/011 ISO 17294-01 and 02	ICP-MS
	Drinking water and ground water	Ca, Mg, K, Na (total)		

CHROMATOGRAPHIC PARAMETERS				
Food and/or feed				
SM00002	Cereal products, Fat and fatty products, Milk products, Meat products, Fish products, Fruit and vegetable products, Sugar and sugary products, Non alcoholic drinks, Prepared dishes	Benzoic acid and sorbic acid	In house method	HPLC-UV
SM00716	Food	Fatty acid spectrum	In house method	Fat extraction, methylation and GC-FID detection
SM01410	Cereal products, Milk products, Meat products, Sugar and sugary products, Non alcoholic drinks	Glucose, Fructose, Sucrose, Maltose, Lactose, Sorbitol, Maltitol, Xylitol	In house method	LC-MSMS
SM00230	Cereal products, Milk products, Sugar and sugary products, Non alcoholic drinks	Water soluble vitamins: Vitamin B1 (thiamine), Vitamin B2 (riboflavin), Vitamin B3 (niacin), Vitamin B5 (pantothenic acid), Vitamin B6 (pyridoxine), Vitamin H (biotin)	In house method with internal standardization	LC-MSMS
SM00240	Cereal products, Milk products, Meat products, Sugar and sugary products, Non alcoholic drinks	Fat soluble vitamins: Vitamin D2 (ergocalciferol), Vitamin D3 (cholecalciferol), Vitamin E (alfa-tocopherol)	In house method with internal standardization	LC-MSMS
SM00703	Sugar and sugary products, Non alcoholic drinks	Aspartame, Saccharin, Acesulfam K	In house method	HPLC-UV
SM00707	Coffee/tea/infusions, Non alcoholic drinks	Caffeine	In house method	HPLC-UV
SM00712	Chocolate and chocolate containing products	Theobromine	In house method	HPLC-UV

SM00040	Cereal products, Milk products, Sugar and sugary products, Non alcoholic drinks	Synthetic water soluble colorants (qualitative)	In house method	TLC
SM00200	Cereal products, Fat and fatty products, Milk products, Meat products, Fish products, Fruit and vegetable products, Sugar and sugary products, Prepared dishes	Aflatoxins (G1, G2, B1, B2), Deoxynivalenol, Ochratoxin A, Fumonisin B1, Fumonisin B2, Toxin T2, Toxin HT2, Zearalenone	In house method	LC-MSMS
SM00200	Alcoholic drinks	Deoxynivalenol, Ochratoxin A, Fumonisin B1, Fumonisin B2, Toxin T2, Toxin HT2, Zearalenone	In house method	LC-MSMS
SM00200	Milk products	Aflatoxin M1	In house method	LC-MSMS
SM00344	Fruit and vegetables	Bromide and Nitrate	In house method	IC-CD
SM00809 (**)	Food of animal origin: eggs & egg products	Fipronil and Fipronil sulfon	In house method	QuEChERS method with LC-MSMS
SM01400	Cereal products, Fruit and vegetable products, Coffee/tea/infusions	Acrylamide	In house method with internal standardization	LC-MSMS
SM00945	Cereal products, Fat and fatty products, Meat products, Fruit and vegetable products, Coffee/tea/infusions, Herbs and spices	Ethylene oxide and 2-chloro-ethanol	In house method with internal standardization	GC-MS headspace

SM00303	Cereal products, Fruit and vegetable products, Non alcoholic drinks	Patuline	In house method with internal standardization	LC-MSMS
SM00715	Cereal products, Meat products, Sugar and sugary products, Prepared dishes	Cholesterol	In house method with internal standardization	LC-MSMS
SM00802	Fruit and vegetables	Dithiocarbamates	In house method with internal standardization	GC-MS
SM00941	Fruit and vegetables	Residues of ethephon, chlormequat, mepiquat, maleic hydrazide, chlorate, perchlorate, fosetyl, phosphonic acid	In house method with internal standardization	QuPPE method with LC-MSMS
SM00290	Fruit and vegetable products, Meat products, Cereal products, Sugar and sugary products, Milk products, Non alcoholic drinks, Alcoholic drinks	L-ascorbic acid	In house method	HPLC-UV
(**) validated according to the current version of the SANTE document.				

Waters and adsorption tubes

SM00489	Drinking water, surface water and waste water	Volatile organic chlorinated hydrocarbons, mono aromatic hydrocarbons		WAC/IV/A/016	GC-MS/headspace
		1,1-dichloroethylene	Isopropylbenzene		
		Dichloromethane	1,2,3-trichloropropane		
		1,2-dichloroethylene, trans	2-chlorotoluene		
		1,1-dichloroethane	4-chlorotoluene		
		1,2-dichloroethylene, cis	1,3-dichlorobenzene		
		Chloroform	1,4-dichlorobenzene		
		1,1,1-trichloroethane	1,2-dichlorobenzene		
		1,2-dichloroethane	1,3,5-trichlorobenzene		
		Carbon tetrachloride	1,2,4-trichlorobenzene		
		Trichloroethylene	1,2,3-trichlorobenzene		
		Bromodichloromethane	Naphthalene		
		1,1,2-trichloroethane	1,3-dichloropropane		
		Dibromochloromethane	1,2-dibromoethane		
		Tetrachloroethylene	1,1,1,2-tetrachloroethane		
		Chlorobenzene	Vinylchloride		

SM00489	Drinking water, surface water and waste water	Chloroethane	Bromobenzene	WAC/IV/A/016	GC-MS/headspace
		2,2-dichloropropane	n-propylbenzene		
		Bromochloromethane	1,3,5-trimethylbenzene		
		1,1-dichloropropene	tert-butylbenzene		
		1,2-dichloropropane	1,2,4-trimethylbenzene		
		Dibromomethane	sec-butylbenzene		
		1,3-dichloropropene, cis	p-isopropyltoluene		
		1,3-dichloropropene, trans	n-butylbenzene		
		Styrene	1,2-dibromo-3-chloropropane		
		Bromoform	Hexachlorobutadiene		
		1,1,2,2-tetrachloroethane	1,2,3-trimethylbenzene		
		BETXs (benzene, ethylbenzene, toluene, m + p-xylene, o-xylene)			
		MTBE (methyl-tert.butylether)			

SM00723	Drinking water	Poly aromatic hydrocarbons (PAH) (Borneff)		In house method	HPLC-FLD
		benzo(a)pyrene	indeno(1,2,3-cd)pyrene		
		benzo(b)fluoranthene	benzo(ghi)perylene		
		benzo(k)fluoranthene			
SM01254	Drinking water	Acrylamide		In house method with internal standardization	LC-MSMS
SM04044	Drinking water	Epichlorohydrin		In house method	LC-MSMS
SM04615	Drinking water	Bisphenol A		In house method	GC-MSMS
SM01369	On carboxen 1000 adsorbed molecules	Alcohols and ketons		LUC/IV/007 LUC/IV/009	GC-MS
SM01232	On activated carbon adsorbed molecules	Aromatic hydrocarbons, aliphatic halogen hydrocarbons, paraffinic acrylates, esters, ethers, hydrocarbons		LUC/IV/001-002-004-006-008	GC-MS

SAMPLING METHODS (in situ)				
SM00556	Waste water	Flow measurement	WAC/I/A/004 WAC/I/A/012	with all types of venturi flumes
SM00560	Waste water and surface water	Proportional sampling	WAC/I/A/004	(time related)
SM00561	Waste water	Proportional sampling	WAC/I/A/004 WAC/I/A/012	(flow related – ultrasonic flow meter or bubble tube level system)
SM01200	Gas emissions	Volume flow and gas velocity using pitot tube	LUC/0/004	pressure difference using pitot tube
		Measurement of waste gas temperature	LUC/0/002	thermocouple
SM01201	Gas emissions	Dust sampling and analysis	LUC/I/001 LUC/0/005	gravimetric method
SM01203	Gas emissions	Water vapour in waste gases	LUC/0/003	condensation/adsorption with silicagel
SM01204	Gas emissions	Gaseous inorganic HF	LUC/III/006	suction with heated probe in the gas channel and absorption of gaseous inorganic HF in NaOH 0,1 N
SM01205	Gas emissions	Gaseous inorganic HCl	LUC/III/0001	suction with heated probe in the gas channel and absorption of gaseous inorganic HCl in water
SM01366	Gas emissions	Gaseous SO _x	LUC/III/008	suction with specific probe and absorption in H ₂ O ₂
SM01207	Gas emissions	Monitoring of oxygen, CO ₂ , CO, SO ₂ and NO _x	LUC/II/001	O ₂ : paramagnetism CO, CO ₂ , SO ₂ : IR NO _x : chemoluminescence
SM01208	Gas emissions	Total amount of organic carbons	LUC/II/001	FID detection
SM01233	Gas emissions	Sampling of organic compounds with adsorption tubes	LUC/IV/000	Suction on activated carbon/carboxen 1000

EXTERNAL MEASUREMENTS (in situ)				
SM00147	Drinking water, waste water, ground water and surface water	Temperature	WAC/I/A/011	
SM00149	Drinking water, waste water, ground water and surface water	Dissolved oxygen	WAC/I/A/011	Chemiluminescence
SM00690	Drinking water, waste water, ground water and surface water	Conductivity	WAC/I/A/011	Conductometric flow cell
SM01196	Drinking water, waste water, ground water and surface water	pH	WAC/I/A/011	Potentiometry

General code	Product/ Matrix	Measured property/ parameter (type of test)	Test or measurement principle/ measurement technique
FLEXIBLE SCOPE			
CHROMATOGRAPHIC PARAMETERS			
Food and/or feed			
SM00809 (**)	Plant matrices (*)	Residues of pesticides (*)	QuEChERS method with GC-MSMS and LC-MSMS
(*) The laboratory is authorised to determine under accreditation the properties/parameters belonging to the mentioned group of measured properties/parameters for the products/matrices belonging to the mentioned group of products/matrices and this according to methods that use the mentioned test or measurement principle or the mentioned measurement technique. This authorisation is given on condition that an appropriate validation and/or verification has been carried out in accordance with the global validation and/or verification concept, as laid down in the laboratory's management system and the provisions of BELAC 2-002 and BELAC 2-101. The laboratory shall make available to each applicant, an up-to-date and detailed list of the specific tests (in terms of specific measured properties/parameters belonging to the mentioned group of measured properties/parameters, specific products/matrices belonging to the mentioned group of products/matrices and specific test methods) that are executed under accreditation. Can be requested via E-mail: info@lovap.be			
(**) validated according to the current version of the SANTE document.			
Waters			
SM04590	Water (***)	Individual PFAS and various sum parameters (***)	Solid Phase Extraction - LC-MSMS
(*) The laboratory is authorised to determine under accreditation the properties/parameters belonging to the mentioned group of measured properties/parameters for the products/matrices belonging to the mentioned group of products/matrices and this according to methods that use the mentioned test or measurement principle or the mentioned measurement technique. This authorisation is given on condition that an appropriate validation and/or verification has been carried out in accordance with the global validation and/or verification concept, as laid down in the laboratory's management system and the provisions of BELAC 2-002 and BELAC 2-101. The laboratory shall make available to each applicant, an up-to-date and detailed list of the specific tests (in terms of specific measured properties/parameters belonging to the mentioned group of measured properties/parameters, specific products/matrices belonging to the mentioned group of products/matrices and specific test methods) that are executed under accreditation. Can be requested via E-mail: info@lovap.be			