



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

EA MLA Signatory

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

# 268-TEST

EN ISO/IEC 17025:2017

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## Maureen Logghe

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

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

**European Commission  
Wetstraat 200  
1040 Brussel**

Sites of activities / Activiteitencentra / Sites d'activités / Standorte mit Aktivitäten:

JOINT RESEARCH CENTRE (JRC) Directorate F, Unit F.4, Unit F.5 & Unit F.6 - Geel site	Retieseweg 111 2440 Geel
JOINT RESEARCH CENTRE (JRC) Directorate F, Unit F.4, Unit F.5 & Unit F.6 - Ispra site	Via Enrico Fermi 2749 21027 Ispra (VA) Italy

### **LIST OF ABBREVIATIONS:**

DNA	Deoxyribonucleic acid
EA-IRMS	Elemental Analyser - Isotope Ratio Mass Spectrometer
GC-MS	Gas chromatography – Mass Spectrometry
HPLC	High-Performance Liquid Chromatography
HPLC-DAD	High-Performance Liquid Chromatography with Diode-Array Detection.
HPLC-FLD	High Performance Liquid Chromatography with Fluorescence Detection
HPLC-UV	High-Performance Liquid Chromatography with UV Detector
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
ICP-OES	Inductively Coupled Plasma Optical Emission Spectrometry
IRMS	Isotope-Ratio Mass Spectrometer
LC-MS	Liquid Chromatography - Mass Spectrometry
OIV	International Organisation of Vine and Wine
PCR	Polymerase Chain Reaction
SNIF-NMR	Site Specific Natural Isotope Fractionation studied by Nuclear Magnetic Resonance
UPLC-MS/MS	Ultra Performance Liquid Chromatography - Tandem Mass Spectrometer

Test sample/ Product/ Matrix	Property determined/ Parameter determined/ Type of test	Equipment or Techniques used
<b>FLEXIBLE SCOPE - GEEL SITE</b>		
Feed	Fat soluble vitamins and pro-vitamins	Reverse-phase HPLC with UV and fluorescence detection
Feed	Coccidiostats	HPLC coupled to optical or mass spectrometry detectors
Food and Feed	Genetically Modified content in % (m/m) and % (cp/cp) (**)	DNA extraction, DNA identification and Real-time PCR
Food and Feed	Genetically Modified content in % (cp/cp) (**)	DNA extraction and digital PCR
Pure DNA solutions	DNA copy number	digital PCR
Food and related materials (*)	Elements	ICP-OES, ICP-MS
Food and Feed	Pesticides	GC-MS(/MS), (UP)LC-MS/MS
Organic solvent	Explosives	HPLC-DAD
Biological and environmental matrices	Water content	Volumetric Karl-Fischer titration

FLEXIBLE SCOPE - ISPRA SITE		
Plastics and plastic coated metal food contact materials	Migrated substances from materials in contact with food	In house method according to Regulation (EU) No 10/2011 HPLC-UV/FLD
Food and Feed	Genetically Modified content in % (cp/cp) (**)	DNA extraction and digital PCR
Food and Feed	Genetically Modified content in % (m/m) and % (cp/cp) (**)	DNA extraction, DNA identification and Real-time PCR
<p><i>In the framework of its accreditation, the laboratory is authorized to determine all parameters belonging to the group of parameters mentioned in the second column for all matrices belonging to the group of matrices mentioned in the first column. This authorization is given, provided that an appropriate validation is performed according to the general validation concept as set out in the laboratory's quality system. The laboratory keeps a detailed list of the parameters and matrices, belonging to the above mentioned groups, up-to-date for anyone involved.</i></p> <p><i>(*) Testing is performed in the context of reference material production rather than on routine samples. Measurement uncertainties of the results are reflected in the certified uncertainties and studies can be adapted to achieve the target uncertainty of certified values for a given measurement uncertainty.</i></p> <p><i>(**) m/m : mass to mass, cp/cp : copynumber to copynumber</i></p>		

Internal code	Test sample/ Product/ Matrix	Property determined/ Parameter determined/ Type of test	Standard specifications Equipment or Techniques used
FIXED SCOPE - GEEL SITE			
WI-D-00138	Biological matrices	Water content	Coulometric Karl-Fischer titration - In house method
WI-D-00042	Biological, environmental and industrial matrices	Particle size distribution	Laser light diffraction - In house method
WI-D-00170	Metals and alloys	Absorbed energy (KV) Impact toughness	ISO 148
WI-D-00561	Nanoparticles	Characteristic parameters of particle size distributions	Centrifugal Liquid Sedimentation (disc-type) (method 2 only for precision testing) - In house method
WI-D-00334			Dynamic Light Scattering - In house method
WI-D-00728			Particle Tracking Analysis - In house method
WI-D-00983			Centrifugal Liquid Sedimentation (cuvette-type) In house method
WI-D-00771	Wines	Deuterium isotope ratios D/H	SNIF-NMR OIV-MA-AS311-05
WI-D-00959	Wines	$^{18}\text{O}$ / $^{16}\text{O}$ isotopic ratio of water wine	Gas Bench - IRMS OIV-MA-AS2-12
WI-D-00947	Wines	$^{13}\text{C}$ / $^{12}\text{C}$ isotopic ratio of wine ethanol	EA-IRMS OIV-MA-AS312-06
WI-D-00602	Sub-micrometre particles	Zeta potential	Electrophoretic Light Scattering - In house method
WI-D-00971	Cookies	Total cow's milk protein	LC-MS - In house method

FIXED SCOPE - ISPRA SITE			
WI-D-00804	Water/alcohol 50:50 %	Content of Bisphenol A	HPLC-FLD - In house method
WI-D-00803	Oil food simulant	Content of Bisphenol A	HPLC-FLD - In house method