

**Annex to the accreditation certificate BELAC No. 319-TEST**

**Institute for Reference Materials and Measurements  
IRMM  
Isotope Measurements Unit (IM)**

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In the name of the Accreditation Board,  
The Chair,

Nicole Meurée-Vanlaethem

**BELAC**

Secretariat :

**FEDERAL PUBLIC SERVICE ECONOMY, SME'S, SELF-EMPLOYED AND ENERGY**

General Direction Quality and Safety

Accreditation

Boulevard Simon Bolivar 30 – 5<sup>th</sup> floor – BE-1000 Brussels - Belgium

Tel: +32 2 277 54 34 Fax: +32 2 277 54 41

**Web site** : <http://Belac.fgov.be> - **E-Mail**: [Belac@economie.fgov.be](mailto:Belac@economie.fgov.be)

**List of abbreviations :**

CCRI	Consultative Committee for Ionising Radiation
CMC	Calibration and Measurement Capabilities, see BIPM Key Comparison database website <a href="http://kcdb.bipm.org/appendixC/">http://kcdb.bipm.org/appendixC/</a>
BIPM	Bureau International de Poids et Mesures
ICPMS	Inductively Coupled Plasma Mass Spectrometry
ID-ICPMS	Isotope Dilution Inductively Coupled Plasma Mass Spectrometry
ILC	Interlaboratory Comparison

## 1. Performing reference measurements according to ISO/IEC 17025

Sample matrix categories (selection of matrices as performed up to now)	Corresponding CMC measurement service category	Measurand	In-house method
Environmental: Water Seawater Sediment Sewage sludge Fly ash Fertiliser powder	5, 13	Quantitative determination of element/ compound content	Inorganic ID-ICPMS (PR-0112)
Food&Feed: Wine Rice Fish Artificial food digest	11		
Biological/clinical: Blood	10		
Materials, commodities: Fuel Pure elements/compounds in solution	1, 12		
Environmental: Water Seawater Air particulates	5, 13	Isotope ratio	Isotope ratio ICPMS (PR-0111)
Food&Feed: Mineral water Wheat Honey Meat	5, 11		
Biological/clinical: Urine	10		
Materials, commodities: Fuel Pure elements/compounds in solution Metal	1, 8, 12		
Aqueous acidified solutions		Activity and activity concentration	$\beta,\gamma$ coincidence measurements (PR-0119)

## 2. Organising ILCs according to ISO Guide 43 & ILAC-G13

Sample matrix categories (selection of matrices as performed up to now)	Measurand(s)
Environmental: Water Soil Sludge	content of element or inorganic molecule  content of organic molecule
Food&Feed: Water Plant or animal origin	Isotope ratio/isotopic abundance
Biological/clinical: Serum	
Materials, commodities: Fuel Polymers Gases Silicon Nuclear fissile material	
Environmental: Water Soil Sediment Air filters	Activity and activity concentration
Food&Feed: Plant or animal origin	
Materials, commodities: Metal Polymers	

**A more detailed version of this scope is available upon request in the laboratory.**

- Addendum on ICPMS measurements: compilation of past and ongoing activities
- Addendum on Primary Standardisation and associated CCRI(II) overview table
- Addendum on the organisation of ILC's: compilation of past activities