

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

# 268-RM

EN ISO 17034:2016

Version / Versie / Version / Fassung	16/1
Validity / Geldigheidsperiode / Validité / Gültigkeitsdauer	2024-03-19 - 2027-10-27

**Maureen Logghe**

Chair of the Accreditation Board  
Voorzitter 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 Brussels**

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

JOINT RESEARCH CENTRE (JRC) Directorate F, Unit F.6 - Geel site	Retieseweg 111 2440 Geel
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General code	Product/matrix/artefact (*)	Parameter/Property (*)	Type of reference material (certified reference material <sup>(CRM)</sup> , reference material <sup>(RM)</sup> or both)	Characterisation approach/procedure
<b>FLEXIBLE SCOPE</b>				
1	Biological material of plant, human or animal origin (including food and feed products)	Mass fraction/ mass concentration of elements	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
2		Mass fraction/ mass concentration of organic molecules	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
3		Mass fraction of genetically modified material (GMO)	RM & CRM	Characterisation based on mass or volume of ingredients used in the preparation of the RM
4		Mass fraction/ concentration and amount of substance fraction/concentration of peptides/ proteins	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories
5		Properties described by international standards ISO 13366 - ISO 17678	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories

6	Aqueous solutions and organic liquids	Mass fraction/ concentration and amount of substance fraction/concentration of peptides/ proteins	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories
				Characterisation based on mass or volume of ingredients used in the preparation of the RM
7		Catalytic activity concentration	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories
8	Aqueous solutions and organic liquids	Mass concentration of total DNA, copy number concentration/ratio of specific DNA fragments	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
9		Mass fraction/ mass concentration of small organic molecules	RM & CRM	Characterisation using a single reference measurement procedure (as defined in ISO/IEC Guide 99) in a single laboratory
				Characterisation of an operationally-defined measurand using a network of laboratories
				Characterisation based on mass or volume of ingredients used in the preparation of the RM
10		Physical and chemical properties described by international standards EN 590 and EN 14214	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories
11		Stable isotope amount-of-substance ratio	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories

12	Water	Mass fraction/ mass concentration of elements and inorganic compounds	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
13	Water	Physical properties: conductivity - pH - density	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
14	Soils, sludges, sediments, and dust	Mass fraction of elements	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
15	Soils, sludges, sediments, and dust	Mass fraction of organic molecules	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
16	Solid industrial materials (such as metals, alloys, coals, cokes, plastics, insulation materials)	Mass fraction of elements	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
17	Solid industrial materials (such as metals, alloys, coals, cokes, plastics, insulation materials)	Physical properties: calorific value - ash - volatile matter - thermal conductivity	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories

18	Suspensions of nanoparticles and sub-micrometre particles	Particle size/shape Electrophoretic mobility Zeta potential	RM & CRM	Characterisation of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories
				Characterisation of an operationally-defined measurand using a network of laboratories
19	Steel	Absorbed energy (KV) according to ISO 148 (Impact toughness)	RM & CRM	Characterisation of an operationally-defined measurand using a network of laboratories
				Value transfer from an RM to a closely matched candidate RM performed using a single measurement procedure performed by one laboratory
(*) The RM producer shall make available to each applicant an up-to-date and detailed list of the specific reference materials (in terms of specific products/matrices/artefacts and specific parameters/properties ) that are produced under accreditation (in accordance with the provisions of BELAC 2-111).				