

SRMS Directory

Accreditation number: SRMS 0005

International standard: ISO/IEC 17034:2016
 Swiss standard: SN EN ISO/IEC 17034:2017

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Scope of accreditation as of 27.03.2023

Producer of reference materials and certified reference materials in the field of precious metals

Reference material matrix / artefact	Characterised properties	Type	Approach used to assign property values
Precious metals alloy			Quantitative determination
Golden alloy	Golden title	CRM, RM	Cupellation (a) ¹
Silver alloy	Silver title	CRM, RM	Potentiometry, Cupellation (b) ¹
Platinum alloy	Platinum title	CRM, RM	ICP-OES (a) ¹
Palladium alloy	Palladium title	CRM, RM	ICP-OES (a) ¹
Gold alloy	Golden title and traces elements	CRM, RM	ICP-OES (a) ¹
Silver alloy	Silver title and traces elements	CRM, RM	ICP-OES (a) ¹
Platinum alloy	Platinum title and traces elements	CRM, RM	ICP-OES (a) ¹
Palladium alloy	Palladium title and traces elements	CRM, RM	ICP-OES (a) ¹

In case of contradictions in the language versions of the directories, the French version shall apply.

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¹Approaches according to the standard SN EN ISO 17034:2017 § 7.12.3:

- a) using a single reference measurement procedure (as defined in ISO/IEC Guide 99) in a single laboratory
- b) characterization of a non-operationally defined measurand using two or more methods of demonstrable accuracy in one or more competent laboratories;
- c) characterization of an operationally-defined measurand using a network of competent laboratories
- d) value transfer from an RM to a closely matched candidate RM performed using a single measurement procedure performed by one laboratory
- e) characterization based on mass or volume of ingredients used in the preparation of the RM

Abbreviation	Signification
ICP-OES	Inductively Coupled Plasma-Optical Emission Spectrometry
CRM	Certified reference material
RM	Reference material

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