



SRMS Directory

Accreditation number: SRMS 0004

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

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Initial accreditation: 23.01.2012
Current accreditation: 26.02.2025 to 25.02.2030
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 26.02.2025

Manufacturer of certified reference gases

Reference material matrix / artefact	Characterised properties	Type	Approach used to assign property values
Matrix N ₂	Binary gas mixtures Amount of substance (mol/mol)	CRM	ISO 6142-1:2015 ^{b)}
	Carbon monoxide (CO) Carbon dioxide (CO ₂) Propane (C ₃ H ₈) Hexane (n – C ₆ H ₁₄) Oxygen (O ₂) Nitric oxide (NO) Methane (CH ₄) Ethanol (C ₂ H ₅ OH)		



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Reference material matrix / artefact	Characterised properties	Type	Approach used to assign property values
Matrix N₂	Ternary gas mixtures Amount of substance (mol/mol)	CRM	ISO 6142-1:2015^{b)}
	Carbon dioxide (CO ₂) Oxygen (O ₂)		
Matrix N₂	Quaternary mixture Amount of substance (mol/mol)	CRM	ISO 6142-1:2015^{b)}
	Carbon monoxide (CO) Carbon dioxide (CO ₂) Propane (C ₃ H ₈)		
Matrix N₂	Multicomponent mixture Amount of substance (mol/mol)	CRM	ISO 6142-1:2015^{b)}
	Carbon monoxide (CO) Carbon dioxide (CO ₂) Sulfur dioxide (SO ₂) Nitric oxide (NO)		
Matrix N₂	Gas mixtures with reactive components Amount of substance (mol/mol)	CRM	ISO 6142-1:2015^{b)}
	Sulfur dioxide (SO ₂)		
	Special gas mixtures Amount of substance (mol/mol)	CRM	ISO 6142-1:2015^{b)}
	Max. 8 components and none with a substance content of less than 1·10 ⁻⁶ (mol/mol)		

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



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¹ Approaches 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
CRM	Certified reference material

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