



STS Directory

Accreditation number: **STS 0174**

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

Cendres+Métaux SA
Analytics and Material Testing
Rue de Boujean 122
CH-2501 Biel/Bienne

Head: Dr. Theo Gautschi
Responsible for MS: Mr Remi Meier
Telephone: +41 58 360 20 00
E-Mail: <mailto:info@cmsa.ch>
Internet: <http://www.cmsa.ch>
Initial accreditation: 04.06.1997
Current accreditation: 23.10.2017 to 22.10.2022
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 23.10.2017

Testing laboratory for the analysis of precious metals and for the determination of physical properties of metals, especially precious metals

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Analytical procedures	Sampling of fine metals and precious metals alloys	In-house methods for the analytical methods below
	Chemical procedures	
	Determination of gold in gold alloys by cupellation	In-house test method resp. acc. to ISO 11426
	Determination of silver in silver alloys by potentiometric titration	In-house test method resp. acc. to EN 31427 / ISO 11427
	Spectrometry	
	Determination of fineness in precious metals alloys by WD-XRF	In-house test methods
	Determination of traces in fine metals and precious metals alloys by ICP-OES	In-house test methods



STS Directory

Accreditation number: STS 0174

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metallurgical procedures	<p>Sampling for materials testing</p> <p>Physical and mechanical procedures</p> <p>Determination of melting range of crystalline materials by differential thermal analysis (DTA)</p> <p>Metal-ceramic bond characterization (Schwickerath crack initiation test)</p> <p>Determination of the thermal expansion of solids</p> <p>Determination of the mechanical properties of metallic materials (tensile testing)</p> <p>- special materials</p> <p>Metallographic procedures</p> <p>Determination of Vickers hardness</p> <p>Determination of grain size on metallographic sections</p> <p>Examination of structures on metallographic sections</p>	<p>In-house methods for the metallurgical methods below</p> <p>In-house test method resp. acc. to DIN 51004</p> <p>In-house test method resp. acc. to ISO 9693</p> <p>In-house test method resp. acc. to DIN 51045-1</p> <p>In-house test method resp. acc. to ISO 6892-1 (methods A and B)</p> <p>Dental casting alloys according to ISO 22674</p> <p>In-house test method resp. acc. to ISO 6507-1</p> <p>In-house test method resp. acc. to ASTM E 112, section 10</p> <p>In-house test method</p>

* / * / * / * / *