



STS Directory

Accreditation number: STS 0071

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

Federal Office for Customs
and Border Security
Central Office for Precious
Metals Control
Industriestrasse 37
2555 Brugg

Head: Steeve Humbert
Responsible for MS: Christophe Cotting
Telephone: +41 58 464 93 09
E-Mail: christophe.cotting@bazg.admin.ch
Internet: <http://www.bazg.admin.ch>
Initial accreditation: 12.07.1994
Current accreditation: 01.12.2019 to 30.11.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Further locations:
See last page

Scope of accreditation as of 18.01.2023

Testing laboratory for determination of gold, silver, platinum and palladium

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)
Determination of gold, silver, platinum and palladium in pure precious metals, and precious metals and alloys	Combined method cupellation-Energy dispersive X-Ray fluorescence spectrometry (ED-XRF) and /or Inductively coupled plasma optical emission spectrometry (ICP-OES)	Method of analysis EMK 5.2 Determination of gold: Adapted procedure based on SN ISO 11426, Testing laboratory: 1 and 2 Microcupellation version Validated in-house method, Testing laboratory: 1 and 2 Determination of silver: Cupellation method (indirect method) Validated in-house method, Testing laboratory: 1



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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)
Determination of silver in pure precious metals and precious metals alloys	Volumetric method (potentiometric)	Determination of platinum and palladium: ED-XRF and ICP-OES Validated in-house method, Testing laboratory: 1 Method of analysis EMK 5.3 Adapted procedure based on SN ISO 11427, Testing laboratory: 1
Determination of gold, platinum and palladium in precious metals alloys	Energy dispersive X-Ray fluorescence spectrometry (ED-XRF)	Method of analysis EMK 5.4, Validated in-house method, Testing laboratory: 1
Determination of gold, silver, platinum and palladium in pure precious metals and precious metals alloys	Inductively coupled plasma optical emission spectrometry (ICP-OES)	Method of analysis EMK 5.5 Determination of gold and silver: Validated in-house method, Testing laboratory: 1 Determination of platinum: Adapted procedure based on SN ISO 11494, Testing laboratory: 1 Determination of palladium: Adapted procedure based on SN ISO 11495, Testing laboratory: 1

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the laboratory.

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

Testing sites with procedure authorizing

Testing laboratory	Location
1	Central Office PMC Brugg
2	PMC Office Geneva

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