



SCS Directory

Accreditation number: SCS 0109

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

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Initial accreditation: 16.12.2004
Current accreditation: 16.12.2019 to 15.12.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 15.09.2021

Calibration laboratory for volume and temperature

Calibration and Measurement Capability (CMC)

| Measured Quantity / Instrument or Gauge | Measurement Range | Measurement Conditions | Best Measurement Uncertainty \pm ¹⁾ | Remarks |
|--|-----------------------------|---|--|---|
| VOLUME | | | | Also calibration on site |
| Piston-operated volumetric apparatus Piston pipettes, Multiple-delivery dispensers (Step-pers), Piston burettes, Dispensers | 0,1 μ l ... <1 μ l | EN ISO 8655-6 DKD-R 8-1 | 1.90 % ^{a)} 1.90 % ^{b)} 1.93 % ^{c)} | The CMC refers to nominal volume (V_0): |
| | 1 μ l ... <10 μ l | Gravimetric methods, adjusted to deliver «Ex» | 0.31 % ^{a)} 0.38 % ^{b)} 0.38 % ^{c)} | ^{a)} Instruments with fixed volume or upper test volume ($V_S = 1.0 \cdot V_0$) for instruments with variable volume |
| | 10 μ l ... <100 μ l | | 0.22 % ^{a)} 0.21 % ^{b)} 0.18 % ^{c)} | ^{b)} Medium test volume ($V_S = 0.5 \cdot V_0$) for instruments with variable volume |



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| Measured Quantity / Instrument or Gauge | Measurement Range | Measurement Conditions | Best Measurement Uncertainty \pm ¹⁾ | Remarks |
|---|-------------------------------|------------------------|--|--|
| Multichannel piston pipettes | 100 μ l ... <1000 μ l | | 0.18 % a) 0.13 % b) 0.10 % c) | c) Lower test volume ($V_S = 0.1 \cdot V_0$) for instruments with variable volume V_0 = Nominal volume V_S = Test volume |
| | > 1 ml ... 100 ml | | 0.15 % a) 0.13 % b) 0.11 % c) | |
| | 1 μ l ... <10 μ l | | 0.51 % a) 0.50 % b) 0.35 % c) | |
| | 10 μ l ... <100 μ l | | 0.22 % a) 0.30 % b) 0.25 % c) | |
| | 100 μ l ... <1250 μ l | | 0.18 % a) 0.16 % b) 0.12 % c) | |
| TEMPERATURE | | | | Also calibration on site |
| Contact thermometer with direct display | -80 °C ... -31 °C | Calibration bath | 0,10 K | Comparison with reference platinum resistance thermometer |
| | -31 °C ... 150 °C | | 0,04 K | |
| | 150 °C ... 250 °C | | 0,10 K | |
| Direct reading contact thermometers with non-precious metal thermocouples | -80 °C ... 250 °C | | 0,60 K | |
| Thermal installations | -80 °C ... -31 °C | | 0,2 K | |
| | -31 °C ... 150 °C | | 0,1 K | |
| | 150 °C ... 250 °C | | 0,3 K | |

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

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