



## SCS Directory

Accreditation number: SCS 0032

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

Mettler-Toledo GmbH  
Calibration laboratory  
Im Langacher 44  
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Initial accreditation: 17.09.1990  
Current accreditation: 15.07.2021 to 14.07.2026  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 15.07.2021

#### Calibration laboratory for mass, volume and temperature

##### Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Calibration and Measurement Capability <sup>1)</sup>	Remarks	
<b>MASS</b>	50 kg	Substitution weighing,	7,5 mg		
	20 kg		Volume determination		3 mg
	10 kg	1,5 mg			
	5 kg	0,8 mg			
	2 kg	0,3 mg			
	<b>MASS STANDARDS</b>	1 kg; 500 g			0,100 mg; 0,080 mg
		200 g; 100 g			0,030 mg; 0,015 mg
		50 g; 20 g			0,010 mg; 0,008 mg
		10 g; 5 g			0,006 mg; 0,005 mg
		2 g; 1 g			0,004 mg; 0,003 mg



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Calibration and Measurement Capability <sup>1)</sup>	Remarks
<b>CONVENTIONAL MASS OF WEIGHTS</b>	500 mg	Substitution weighing	0,0025 mg	Accuracy classes OIML R111
	200 mg; 100 mg		0,002 mg; 0,0015 mg	
	50 mg; 20 mg		0,0012 mg; 0,001 mg	
	10 mg; 5 mg		0,0008 mg	
	2 mg; 1 mg		0,0008 mg	
	50 kg		7,5 mg	
	20 kg		3 mg	
	10 kg		1,5 mg	
	5 kg		0,8 mg	
	2 kg		0,3 mg	
	1 kg; 500 g		0,100 mg; 0,080 mg	
	200 g; 100 g		0,030 mg; 0,015 mg	
	50 g; 20 g		0,010 mg; 0,008 mg	
	10 g; 5 g		0,006 mg; 0,005 mg	
2 g; 1 g	0,004 mg; 0,003 mg			
<b>VOLUME OF MASS STANDARDS</b>	500 mg	Hydrostatic weighing	0,0025 mg	
	200 mg; 100 mg		0,002 mg; 0,0015 mg	
	50 mg; 20 mg		0,0012 mg; 0,001 mg	
	10 mg; 5 mg		0,0008 mg	
	2 mg; 1mg		0,0008 mg	
	2500 cm <sup>3</sup> ... 2400 cm <sup>3</sup>		0,30 cm <sup>3</sup>	
	1300 cm <sup>3</sup> ... 1200 cm <sup>3</sup>		0,025 cm <sup>3</sup>	
	650 cm <sup>3</sup> ... 600 cm <sup>3</sup>		0,013 cm <sup>3</sup>	
260 cm <sup>3</sup> ... 240 cm <sup>3</sup>	0,010 cm <sup>3</sup>			
130 cm <sup>3</sup> ... 120 cm <sup>3</sup>	0,0011 cm <sup>3</sup>			
< 120 cm <sup>3</sup> ... 60 cm <sup>3</sup>	0,0007 cm <sup>3</sup>			
< 60 cm <sup>3</sup> ... 2,0 cm <sup>3</sup>	0,0005 cm <sup>3</sup>			
< 2,0 cm <sup>3</sup> ... 0,1 cm <sup>3</sup>	0,0009 cm <sup>3</sup>			
Volume of sinker	8 cm <sup>3</sup> ... 12 cm <sup>3</sup>	Hydrostatic weighing	0,005 cm <sup>3</sup>	sinker of borosilicate glass
Volume of burettes	1 ml, 5 ml, 10 ml, 20 ml		0,012 %	



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TEMPERATURE	50 °C; 100 °C; 160 °C	Comparison with platinum resistance thermometers in air	0,6 °C	Bimetallic thermometer on support plate
	50 °C; 100 °C; 160 °C		0,15 °C	Pt1000 RTD

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