



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
Postfach LabTec
8606 Greifensee

Head: Marc Scheurmann
Responsible for MS: Matthias Pötz
Telephone: +41 44 944 23 15
E-Mail: <mailto:calibration@mt.com>
Internet: <http://www.mt.com>
Initial accreditation: 17.09.1990
Current accreditation: 15.07.2021 to 14.07.2026
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 13.04.2023

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 ¹⁾	Remarks
MASS	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	
MASS STANDARDS	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	



SCS Directory

Accreditation number: SCS 0032

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Calibration and Measurement Capability ¹⁾	Remarks
CONVENTIONAL MASS OF WEIGHTS	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	
VOLUME OF MASS STANDARDS	2 g; 1 g	0,004 mg; 0,003 mg		
	500 mg	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 ³ ... 2400 cm ³	Hydrostatic weighing	0,30 cm ³	
	1300 cm ³ ... 1200 cm ³	0,025 cm ³		
	650 cm ³ ... 600 cm ³	0,013 cm ³		
	260 cm ³ ... 240 cm ³	0,010 cm ³		
130 cm ³ ... 120 cm ³	0,0011 cm ³			
< 120 cm ³ ... 60 cm ³	0,0007 cm ³			
< 60 cm ³ ... 2,0 cm ³	0,0005 cm ³			
< 2,0 cm ³ ... 0,1 cm ³	0,0009 cm ³			
Volume of sinker	8 cm ³ ... 12 cm ³	Hydrostatic weighing	0,005 cm ³	sinker of borosilicate glass
Volume of burettes	1 ml, 5 ml, 10 ml, 20 ml, 50 ml	Gravimetric methods	0,012 %	

(1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor k = 2, which corresponds to a confidence level of about 95% for a normal distribution.



SCS Directory

Accreditation number: SCS 0032

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Calibration and Measurement Capability ¹⁾	Remarks
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

* / * / * / * / *