

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that

**Mettler-Toledo GmbH**  
**Ockerweg 3, D-35396 Gießen**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the calibration laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories and confirm generally with the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 07.08.2023 with accreditation number D-K-19120-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 5 pages.

Registration number of the accreditation certificate: **D-K-19120-01-00**

Berlin, 07.08.2023

Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch  
Head of Technical Unit

Translation issued:

Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch  
Head of Technical Unit

*The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH ([www.dakks.de](http://www.dakks.de)).*

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

# Deutsche Akkreditierungsstelle GmbH

Office Berlin  
Spittelmarkt 10  
10117 Berlin

Office Frankfurt am Main  
Europa-Allee 52  
60327 Frankfurt am Main

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkKS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkKS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkKS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-K-19120-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 07.08.2023

Date of issue: 07.08.2023

Holder of accreditation certificate:

**Mettler-Toledo GmbH**  
**Ockerweg 3, D-35396 Gießen**

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The calibration laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories and confirm generally with the principles of DIN EN ISO 9001.

Calibrations at the locations:

**Ockerweg 3, D-35396 Gießen**

**Trebohosticka 2283/2, CZ-100 00 Prague 10**

**Ul. Poleczki 21, PL-02-822 Warszawa**

**Hattalova 12/A, SK-831 03 Bratislava**

**Pot heroja Trtnika 26, SI-1261 Ljubljana – Dobrunje**

**Jure Kaštelana 19, HR-10000 Zagreb**

**Im Langacher 44, CH-8606 Greifensee**

**Laxenburger Straße 252/2, A-1230 Wien**

**Késmárk utca 14/B, H-1158 Budapest**

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Abbreviations used: see last page

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**Annex to the Accreditation Certificate D-K-19120-01-00**

Calibration in the fields:

**Mechanical Quantities**

- **Weighing instruments** <sup>a)</sup>

**Chemical and medical quantities**

**Chemical analysis, reference materials**

- **Volume of liquids** <sup>b)</sup>

<sup>a)</sup> Only On-site calibrations

<sup>b)</sup> Also On-site calibrations

Within the measurands / calibration items marked with \*, the calibration laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use calibration standards or equivalent calibration procedures listed here with different issue dates. The calibration laboratory maintains a current list of all calibration standards / equivalent calibration procedures within the flexible scope of accreditation.

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**Annex to the Accreditation Certificate D-K-19120-01-00**

**Permanent Laboratory - location Gießen**

Calibration and measurement capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Liquid volume*</b> Single-channel piston-stroke-pipettes	1 µL to < 10 µL	DIN EN ISO 8655:2002 DKD-R 8-1:2011	2.33 % <sup>a)</sup> 1.75 % <sup>b)</sup> 1.17 % <sup>c)</sup>	The measurement uncertainty refers to the nominal volume $V_N$ . (Specification of the measurement uncertainty at the smallest nominal volume of the respective interval).  a) Upper test volume ( $V_t = 1.0 \cdot V_N$ ) for measuring instruments with fixed and variable volume. b) Medium test volume (e.g. $V_t = 0.5 \cdot V_N$ ) for measuring instruments with variable volume. c) Lower test volume (e.g. $V_t = 0.1 \cdot V_N$ ) for measuring instruments with variable volume  $V_N$ Nominal volume $V_t$ Test volume
	10 µL to < 100 µL		0.31 % <sup>a)</sup> 0.23 % <sup>b)</sup> 0.16 % <sup>c)</sup>	
	100 µL to < 1 mL		0.15 % <sup>a)</sup> 0.11 % <sup>b)</sup> 0.08 % <sup>c)</sup>	
	1 mL to < 100 mL		0.14 % <sup>a)</sup> 0.11 % <sup>b)</sup> 0.07 % <sup>c)</sup>	
Multi-channel piston-stroke-pipettes	1 µL to < 100 µL		0.34 % <sup>a)</sup> 0.26 % <sup>b)</sup> 0.17 % <sup>c)</sup>	
	100 µL to < 1.2 mL		0.16 % <sup>a)</sup> 0.12 % <sup>b)</sup> 0.08 % <sup>c)</sup>	
Multi-dispenser	1 µL to < 10 µL	DIN EN ISO 8655:2002 DKD-R 8-2:2017	1.60 %	
	10 µL to < 100 µL		0.25 %	
	100 µL to < 1 mL		0.08 %	
	1 mL to 200 mL		0.07 %	
Single stroke dispenser	100 µL to < 10 mL	DIN EN ISO 8655:2002 DKD-R 8-3:2020	0.10 %	
	10 mL to 50 mL		0.09 %	
Piston burettes	100 µL to 50 mL		0.030 %	

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**Annex to the Accreditation Certificate D-K-19120-01-00**

**On-site calibration - location Gießen and Wien**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Liquid volume*</b> Single-channel piston-stroke-pipettes	1 µL to < 10 µL	DIN EN ISO 8655:2002 DKD-R 8-1:2011	2.33 % <sup>a)</sup> 1.75 % <sup>b)</sup> 1.17 % <sup>c)</sup>	The measurement uncertainty refers to the nominal volume $V_N$ . (Specification of the measurement uncertainty at the smallest nominal volume of the respective interval).  a) Upper test volume ( $V_t = 1.0 \cdot V_N$ ) for measuring instruments with fixed and variable volume. b) Medium test volume (e.g. $V_t = 0.5 \cdot V_N$ ) for measuring instruments with variable volume. c) Lower test volume (e.g. $V_t = 0.1 \cdot V_N$ ) for measuring instruments with variable volume  $V_N$ Nominal volume $V_t$ Test volume
	10 µL to < 100 µL		0.32 % <sup>a)</sup> 0.24 % <sup>b)</sup> 0.16 % <sup>c)</sup>	
	100 µL to < 1 mL		0.18 % <sup>a)</sup> 0.14 % <sup>b)</sup> 0.09 % <sup>c)</sup>	
	1 mL to < 100 mL		0.17 % <sup>a)</sup> 0.13 % <sup>b)</sup> 0.09 % <sup>c)</sup>	
Multi-channel piston-stroke-pipettes	1 µL to < 100 µL		0.35 % <sup>a)</sup> 0.26 % <sup>b)</sup> 0.18 % <sup>c)</sup>	
	100 µL to < 1.2 mL		0.19 % <sup>a)</sup> 0.14 % <sup>b)</sup> 0.10 % <sup>c)</sup>	
Multi-dispenser	1 µL to < 10 µL	DIN EN ISO 8655:2002 DKD-R 8-2:2017	1.60 %	
	10 µL to < 100 µL		0.25 %	
	100 µL to < 1 mL		0.08 %	
	1 mL to 200 mL		0.07 %	
Single stroke dispenser	100 µL to < 10 mL	DIN EN ISO 8655:2002 DKD-R 8-3:2020	0.10 %	
	10 mL to 50 mL		0.09 %	
Piston burettes	100 µL to 50 mL		0.032 %	

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**Annex to the Accreditation Certificate D-K-19120-01-00**
**On-site calibration - location Gießen and Wien**

## Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Weighing instruments</b> nonautomatic weighing instruments	500 kg to < 1000 kg	RapidCal Version 002 edited 01.06.2023	$2,9 \cdot 10^{-3}$	with reference load cells according to OIML R60 edition 2000 (E)
	1000 kg to < 4000 kg		$1,2 \cdot 10^{-3}$	
	4000 kg to 32000 kg		$7,2 \cdot 10^{-4}$	

**On-site Calibration - for all Sites**

## Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Weighing instruments*</b> nonautomatic weighing instruments	to 610 g	EURAMET Calibration Guide No. 18, Version 4.0 (11/2015)	$1 \cdot 10^{-6}$	With weights pieces according to OIML R 111-1:2004, class E <sub>2</sub>
	to 70 kg		$6 \cdot 10^{-6}$	With weights pieces according to OIML R 111-1:2004, class F <sub>1</sub>
	to 600 kg		$2 \cdot 10^{-5}$	With weights pieces according to OIML R 111-1:2004, class F <sub>2</sub>
	to 20000 kg		$6 \cdot 10^{-5}$	With weights pieces according to OIML R 111-1:2004, class M <sub>1</sub>
	to 20000 kg		$2 \cdot 10^{-4}$	With weights pieces according to OIML R 111-1:2004, class M <sub>2</sub>

Within the scope of accreditation Mettler-Toledo GmbH is permitted to use the electronic signature of the head of calibration laboratory and the use of green calibration marks.

**Abbreviations used:**

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
DIN	Deutsches Institut für Normung e.V.
DKD-R	Guideline of Deutscher Kalibrierdienst
EN	european standard
EURAMET	European Association of National Metrology Institutes
ISO	International Organization for Standardization
RapidCal	In house calibration procedure of Mettler-Toledo GmbH

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