

# Deutsche Akkreditierungsstelle

## Annex to the Accreditation Certificate D-K-15057-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 26.07.2024

**Date of issue:** 26.07.2024

Holder of accreditation certificate:

**Eppendorf Vertrieb Deutschland GmbH  
Peter-Henlein-Straße 2, 50389 Wesseling-Berzdorf**

with the locations

**Eppendorf Vertrieb Deutschland GmbH  
Barkhausenweg 1, 22339 Hamburg**

**Eppendorf Vertrieb Deutschland GmbH  
Peter-Henlein-Straße 2, 50389 Wesseling-Berzdorf**

**Eppendorf Vertrieb Deutschland GmbH  
Im Thal 4, 82377 Penzberg**

**Eppendorf Vertrieb Deutschland GmbH  
Magnusstraße 11, 12489 Berlin**

**Eppendorf Vertrieb Deutschland GmbH  
Mannheimer Straße 1, 69115 Heidelberg**

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.

*This certificate annex is only valid together with the written accreditation certificate and 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 at <https://www.dakks.de>.*

Abbreviations used: see last page

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

**Annex to the Accreditation Certificate D-K-15057-01-00**

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

Calibration in the fields:

**Chemical and medical quantities**

**Chemical analysis, reference materials**

– **Volume of liquids**

**Permanent Laboratory**

Calibration and Measurement Capabilities (CMC)				
Measured quantity/ Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Volume</b> Piston pipettes, dispensers	0.1 µL to < 1.0 µL	DIN EN ISO 8655-6: 2002 and DKD-R 8-1:2011 Gravimetric method Adjusted by dispensing into the weighing vessel.	8.0 % <sup>a)</sup> 6.0 % <sup>b)</sup> 4.0 % <sup>c)</sup>	The CMC refers to nominal volume. To state the best CMC value the reference temperature shall be set equal to the temperature of the test liquid.  a) Instruments with fixed volume or upper test volume ( $V_p = 1.0 \cdot V_N$ ) for instruments with variable volume b) Medium test volume (e.g. $V_p = 0.5 \cdot V_N$ ) for instruments with variable volume c) Lower test volume (e.g. $V_p = 0.1 \cdot V_N$ ) for instruments with variable volume  $V_N$ : Nominal volume $V_p$ : Test volume
	1.0 µL to < 10 µL		0.80 % <sup>a)</sup> 0.60 % <sup>b)</sup> 0.40 % <sup>c)</sup>	
	10 µL to < 100 µL		0.35 % <sup>a)</sup> 0.26 % <sup>b)</sup> 0.18 % <sup>c)</sup>	
	100 µL to < 1000 µL		0,15 % <sup>a)</sup> 0,11 % <sup>b)</sup> 0,08 % <sup>c)</sup>	
	1 mL to < 10 mL		0,15 % <sup>a)</sup> 0,11 % <sup>b)</sup> 0,08 % <sup>c)</sup>	
	10 mL to 200 mL		0.15 % <sup>a)</sup> 0.11 % <sup>b)</sup> 0.08 % <sup>c)</sup>	
Multichannel piston pipettes	1.0 µL to < 10 µL		0.80 % <sup>a)</sup> 0.60 % <sup>b)</sup> 0.40 % <sup>c)</sup>	
	10 µL to < 100 µL		0.45 % <sup>a)</sup> 0.34 % <sup>b)</sup> 0.23 % <sup>c)</sup>	
	100 µL to 1250 µL		0.15 % <sup>a)</sup> 0.11 % <sup>b)</sup> 0.08 % <sup>c)</sup>	

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**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

Measured quantity/ Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Multiple dispensers	2,0 µL to < 20 µL	DIN EN ISO 8655-6:2002 and DKD-R 8-2:2018 Gravimetric method Adjusted by dispensing into the weighing vessel.	0.60 %	Adjusted by dispensing into the weighing vessel. To state the best CMC value the reference temperature shall be set equal to the temperature of the test liquid.
	20 µL to < 40 µL		0.40 %	
	40 µL to < 100 µL		0.30 %	
	100 µL to < 200 µL		0.20 %	
	200 µL to < 500 µL		0.15 %	
	500 µL to <2500 µL		0.10 %	
	2,5 mL to 50 mL		0.08 %	
Single stroke dispensers	10 µL to < 1.,0 mL	DIN EN ISO 8655-6:2002 DKD-R 8-3:2020 Adjusted by dispensing into the weighing vessel.	0.20 %	Adjusted by dispensing into the weighing vessel. To state the best CMC value the reference temperature shall be set equal to the temperature of the test liquid.
	1.0 mL to 200 mL		0.10 %	
Piston burettes	10 µL to < 10 mL		0.08 %	
	10 mL to 200 mL		0.03 %	

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**Abbreviations used:**

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
DIN	Deutsches Institut für Normung e.V.
DKD-R	Guideline of Deutscher Kalibrierdienst (DKD), published by Physikalisch-Technische Bundesanstalt
EN	Europäische Norm
ISO	International Standard Organisation