

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-18542-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 27.11.2020

Date of issue 27.11.2020

Holder of certificate:

HAYER & BOECKER OHG
HAYER Kalibrierlabor
Ennigerloher Straße 64, 59302 Oelde

Calibration in the fields:

Dimensional quantities
Geometrical optical quantities

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

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement ¹⁾	Remarks
Geometrical optical quantities Test sieves	20 µm to < 2.5 mm	DW-AA-KL-04:2017-07 HAVER BSA Measuring system	$0.9 \mu\text{m} + 1 \cdot 10^{-2} \cdot w$	w = Aperature width
	2.5 mm to 125 mm	DW-AA-KL-06:2017-07 Caliper	$40 \mu\text{m} + 30 \cdot 10^{-6} \cdot w$	

Abbreviations used:

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
DIN	Deutsches Institut für Normung e.V.
DW	Guideline of the HAVER & BOECKER OHG
BSA	Screen analysis (In-house development)

¹⁾ The expanded uncertainties according to EA-4/02 M:2013 are part of CMC and are the best measurement uncertainties within accreditation. They have a coverage probability of approximately 95 % and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.