REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 6

Sofia, 17.01.2025

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and and item 5.3.1 in connection with amendment of an element of the certificate content, according to item 4.3.8. f) of the BAS QR 2 Accreditation Procedure, report, reg. № 28/18 ЛК/2/В/09.01.2025 and EA BAS order reg. № A 5/17.01.2025, I hereby

AMEND

EA BAS order reg. № A 121/27.03.2024 to accreditation certificate
reg. № 18 ЛК/ 27.03.2024, valid until 27.03.2028

DENEV-D LTD
LABORATORY FOR CALIBRATION OF MEASUREMENT INSTRUMENTS

Management address: 6000, Stara Zagora, 27 Tsar Ivan Shishman Str.
Laboratory address: 6000, Stara Zagora, 27 Tsar Ivan Shishman Str.

To perform calibration of:

Type of the scope: *fixed*

№	Measuring instrument	Measured value, unit of measure	Measurement Range	Measurement uncertainty	Calibration method
1	2	3	4	5	6
1.	Instruments for volume measurements -Horizontal and vertical tanks, stationary and mounted on movable platforms, with different geometric shapes	Volume, m^3	up to 10 m^3	0,15%	МК № К-01-15:2020 Geometric and volumetric method МК БДС ISO 7507-1:2017 Tape method
			from 10 m^3 to 50 m^3	0,1%	
			from 50 m^3 to 50 000 m^3	0,1%	МК № К-01-15:2020 Geometric method МК БДС ISO 7507-1:2017 Tape method
	-Volume instruments: pipettes, automatic pipettes, dosimeters, dispensers, test tubes, burettes and laboratory glassware	Volume, l	from 0,1 ml to 50 ml	from 0,008 ml to 0,016 ml	МК № МО-06:2019 Weight method
	Flasks, cylinders, pycnometers		from 50 ml to 2 000 ml	from 0,016 ml to 0,13 ml	
	Made of metal and non-metal		from 2 l to 50 l	0,03 %	
			from 1 l to 2500 l	0,04%	МК № К-05-19:2024 Volume method

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Type of the scope: *fixed*					
№	**Measuring instrument**	**Measured value, unit of measure**	**Measurement Range**	**Measurement uncertainty**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
2.	Thermometers liquid, digital, analogue	Temperature, °C	from negative 30 °C to 300 °C	from 0,06 °C to 0,12 °C	МК № Т-01:2016 Comparative method
3.	Calipers, caliper depth gauges and caliper altimeters	Length, mm			МК № Д-04:2016 Direct method
	Digital;		from 0,5 mm to 1 000 mm	from 0,030 mm to 0,032 mm	
	Vernier		from 0,5 mm to 1 000 mm	from 0,033 mm to 0,034 mm	
4.	Micrometers with flat measurement surface, Micrometer depth gauges	Length, mm			МК № Д-05:2016 Direct method
	Digital		from 0,5 mm to 1 000 mm	from 0,0058 mm to 0,0070 mm	
	Mechanical		from 0,5 mm to 1 000 mm	from 0,0082 mm to 0,0097 mm	
5.	Scale marks measures of length: -tape measures -tapes	Length, mm	from 0 mm to 30 000 mm	from 0,15 mm to 0,50 mm	МК № Д-03:2016 Comparative method
	-Measuring lines;		from 0 mm to 3000 mm	0,15 mm	
	-tape measures with tensioning weight and sinker		from 0 mm to 310 mm from 310 mm to 30 000 mm	0,06 mm from 0,21 mm to 0,60 mm	МК № Д-03-01:2016 Comparative method
6.	Gauge blocks	Length, mm	from 0,5 mm to 100 mm	from 0,22 µm to 0,36 µm	МК № Д-06:2016 Comparative contact method
7.	Vacuum and Pressure measuring instruments	Pressure, p, bar	from negative 0,9 bar to 35 bar	from 3.10^{-3} bar to 6.10^{-3} bar	МК № Н-01:2019 Comparative method
8.	Flow meters for water and liquids other than water	Volume, m^3, volumetric flow rate, m^3/h	from 0,001 m^3/h to 150 m^3/h	0,1%	МК № Razhod-01:2019 Comparative method

Notes:

1. The calibration of measurement instruments, position 1 is conducted on site with the customer and in the premises of the laboratory. The volume instruments calibrated using the volumetric method are done in the premises of the laboratory and on site with the customer. The volume instruments calibrated using the weight method are done in the premises of the laboratory.
2. The calibration of measurement instruments, position 2 is done in the premises of the laboratory and on site with the customer.
3. The calibration of measurement instruments, positions 3, 4, 5, 6 and 7 is done in the premises of the laboratory.
4. The calibration of measurement instruments, position 8 is done on site with the customer.

References:

1. МК No К-01-15:2020 Methodology for calibration of horizontal tanks using geometric and volumetric method (based on ISO 12917-1 и EURAMET cg-21).
2. МК according БДС ISO 7507-1:2017 for calibration of vertical tanks using tape method (based on ISO 7507-1).
3. МК No К-05-19:2024 Methodology for calibration of reference metal instruments using a volumetric method (based on EURAMET cg-21).

4. МК No МО-06:2019 Methodology for calibration of instruments for volume of liquids using a weight method (based on EURAMET cg-19).
5. МК No Т-01:2016 Methodology for calibration of thermometers.
6. МК No Д-04:2016 Methodology for calibration of calipers.
7. МК No Д-05:2016 Methodology for calibration of micrometers.
8. МК No Д-03:2016 Methodology for calibration of scale marks measures of length.
9. МК No Д-03-01:2016 Methodology for calibration of scale marks measures of length with tensioning weight or sinker.
10. МК No Д-06:2016 Methodology for calibration of gauge blocks (based on ISO 3650).
11. МК No Н-01:2019 Methodology for calibration of vacuum and pressure measuring instruments (based on EURAMET cg-17).
12. МК No Razhod-01:2019 Methodology for calibration of flow meters for water and liquids other than water.

I ORDER

To issue the certificate of accreditation reg. № 18 ЛК/17.01.2025, valid until 27.03.2028 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the managers/ representative of Denev - D Ltd, the head of Calibration laboratory for measuring instruments, at Denev - D Ltd, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the the accredited person is obliged to return to EA BAS the originals of accreditation certificate reg. № 18 ЛК /27.03.2024, valid until 27.03.2028 and its enclosure - EA BAS order reg. № А 121/27.03.2024.

This order shall be notified to Denev - D Ltd, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS