



Republic of Bulgaria  
Executive Agency  
Bulgarian Accreditation Service



Signatory to the EA Multilateral Agreement in this field

## ORDER

№ A 217

Sofia, 24.03.2022

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3.1 and the EA BAS order reg. № A 216/24.03.2022, I hereby

## AMEND

EA BAS order reg. № A 285/15.05.2020, an integral part of  
certificate reg. № 10 ЛК/15.05.2020, valid until 15.05.2024, as follows:

**Kalabsi Ltd.**  
**Calibration laboratory Kalabsi**

**Management and laboratory address:** 1505 Sofia, 7 Neofit Bozveli Str.

To perform calibrating of:

Type of the scope: flexible for part of the scope					
№	Measuring instrument	Measured value unit of measure	Measurement Range	Uncertainty of measurement	Calibration method
1	2	3	4	5	6
1.	Machines (equipment, devices and apparatus) for testing materials and products of tension / compression	Force, N tension/compression,	from 0,5 N to 1000 N	0,3 %	РПК 702 C 01
			from 1 kN to 1000 kN	0,5 %	
			from 1000 kN to 2000 kN	0,6 %	
2.	Dynamometers	Force, N tension/compression,	from 0,5 N to 1000 N	0,2 %	РПК 702 C 02
			from 1 kN to 1000 kN	0,3 %	
			from 1000 kN to 2000 kN	0,4 %	
3.	Pendulum-type impact testing machines (Charpy hammer)	Energy J,	from 0,1 J to 450 J	from 1,3 % to 0,5 %	РПК 702 E 01
4.	Torque wrenches	Torque, Nm	from 0,4 Nm to 1100 Nm	1,0 %	РПК 702 M 01
5.	Reference hardness blocks using the method of Brinell	Hardness /the method of Brinell/ HBW	from 90 HBW to 400 HBW	2,0 %	РПК 702 T 01
6.	Reference hardness blocks using the method of	Hardness /the method of	from 60 HRA to 88 HRA	0,8 HRA	РПК 702 T 01

<b>Type of the scope:</b> <i>flexible for part of the scope</i>					
<b>№</b>	<b>Measuring instrument</b>	<b>Measured value unit of measure</b>	<b>Measurement Range</b>	<b>Uncertainty of measurement</b>	<b>Calibration method</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	Rockwell, scales A, B and C	Rockwell/ HRA HRB HRC	from 60 HRB to 100 HRB from 20 HRC to 70 HRC	0,8 HRB 0,8 HRC	
7.	Reference hardness blocks using the method of Vickers – second level	Hardness /the method of Vickers/ HV	from 200 HV to 800 HV (from HV 1 to HV 30)	2,0 %	РПК 702 Т 01
8.	Hardness testers using the method of Brinell (stationary and portable)	Hardness /the method of Brinell/ HBW	from 90 HBW to 400 HBW	2,0 %	РПК 702 Т 02
9.	Hardness testers using the method of Rockwell, scales A, B and C (stationary and portable)	Hardness /the method of Rockwell/ HRA HRB HRC	from 60 HRA to 88 HRA	1,0 HRA	РПК 702 Т 02
			from 60 HRB to 100 HRB	1,0 HRB	
			from 20 HRC to 70 HRC	1,0 HRC	
10.	Hardness testers using the method of Vickers (stationary and portable)	Hardness /the method of Vickers/ HV	from 200 HV to 800 HV (from HV 1 to HV 30)	2,0 %	РПК 702 Т 02
11.	Dial gauge for length measurement	Length m	up to 1,0 mm	1,5 μm	РПК 702 Д 01
			up to 25 mm	3,0 μm	
12.	Line scales and measuring tapes.	Length m	for tapes and tape measures to 5000 mm	0,6 mm	РПК 702 Д 02
			for lines to 1500 mm		
13.	Calipers	Length m	up to 250 mm	0,03 mm	РПК 702 Д 03
14.	Micrometers, for 2-point external and internal dimensions	Length m	up to 100 mm	1,3 μm	РПК 702 Д 04
15.	Pressure measuring devices	Pressure, bar	from -0,95 bar to 0 bar with air	0,3% FS	РПК 702 Н 01
			up to 2,5 bar with air	0,1% FS	
			up to 600 bar with oil		

**\*Note:** *The measuring devices are calibrated at the customer's site.*

**Flexible scope:** *Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by the laboratory.*

**References:**

1. РПК 702 С 01 Calibration of systems for measuring the force of machines for testing materials and products of tension/compression (based on БДС EN ISO 7500-1);
2. РПК 702 С 02 Calibration of dynamometers (based on БДС EN ISO 376);
3. РПК 702 Е 01 Calibration of energy measurement system for hammer bending test machines (Charpy hammer) (based on БДС EN ISO 148-2);
4. РПК 702 М 01 Calibration of torque wrenches (based on БДС EN ISO 6789);
5. РПК 702 Т 01 Calibration of reference hardness blocks – second level by the methods of Brinell, Rockwell and Vickers (based on БДС EN ISO 6506-3, БДС EN ISO 6507-3, and БДС EN ISO 6508-3);
6. РПК 702 Т 02 Calibration of hardness testers by the methods of Brinell, Rockwell and Vickers (based on БДС EN ISO 6506-2, БДС EN ISO 6507-2 and БДС EN ISO 6508-2);
7. РПК 702 Д 01 Calibration of dial gauges for length measurement (2018);
8. РПК 702 Д 02 Calibration of line scales and measuring tapes (2018);
9. РПК 702 Д 03 Calibration of caliper devices (2018);
10. РПК 702 Д 04 Calibration of micrometer devices (2018);
11. РПК 702 Н 01 Calibration of pressure measuring devices (based on EURAMET cg-17) (2020).

**ORDER**

To issue the certificate of accreditation reg. № 10 ЛК/24.03.2022 valid until 15.05.2024 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of Kalabsi Ltd, Sofia, the head of Calibration Laboratory Kalabsi, at Kalabsi Ltd, or another authorized person in the building of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of Accreditation Certificate № 10 ЛК/15.05.2020, valid until 15.05.2024 and its enclosure – EA BAS order reg. № А 285/15.05.2020.

This order shall be notified to the Kalabsi Ltd, Sofia, within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

Executive Director of EA BAS

