BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

National Metrology Laboratory (NML-BSTI)

BSTI Maan Bhaban, 116-A Tejgaon Industrial Area

Dhaka-1208, Bangladesh

This is to certify that this
Calibration Laboratory

is accredited in accordance with the international standard
ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and conditions governing the relevant conformity assessment body (CAB) accreditation.

Certificate Number	:	**02.001.18**
Accreditation Date	:	**30 September 2018**
Date of Issuance	:	**13 March 2025 (2nd Renewal)**
Date of Expiration	:	**29 September 2027**

CERT. NO. 02.001.18
BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17025:2017

GLOBAL ACCEPTANCE
BAB ACCREDITED

13.03.2025
Md. Anwarul Alam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

BANGLADESH ACCREDITATION BOARD (BAB)

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SCOPE OF ACCREDITATION

CAB Name & Address: **National Metrology Laboratory (NML-BSTI), Maan Bhaban, 116-A Tejgaon Industrial Area, Dhaka-1208, Bangladesh**

Accreditation Standard:	ISO/IEC 17025:2017	**Accreditation Date:**	30 September 2018
Certificate Number:	02.001.18	**Issued on:**	13 March 2025
Last Amended on:	14.07.2025	**Valid until:**	29 September 2027
Amendment no:	01		

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Calibration Measurement Capabilities (CMC) expressed as expanded uncertainty U (k=2) (to be expressed in ±) U (k=2)
Field: Mechanical (Length)				
1.	Engineer tape measure	CP-L 02	0-10 m	± 0.08 mm
2.	Engineer steel rule	CP-L 03	0-1.5 m	± 0.06 mm
3.	Gauge Block	CP-L 01	0.5-100 mm	± 0.08 – 0.17 µm
4.	Micrometer	CP-L 05	0-600 mm	± 0.6µm for LC-0.0001mm ± 1µm for LC-0.001mm ± 4µm for LC-0.01mm
5.	Feeler Gauge	CP-L 08	Up to 1.0 mm	± 2.5 µm
6.	Dial Gauge	CP-L 07	0-100 mm	± 1µm for LC-0.001mm ± 6µm for LC-0.01mm
7.	Height Gauge, Vernier Caliper	CP-L 06	0-600 mm	± 10µm for LC-0.01mm ± 14µm for LC-0.02mm ± 30µm for LC-0.05mm
Field: Mechanical (Mass)				
8.	Mass Standard	CP-M01	1 mg	± 0.006 mg
			2 mg	± 0.006 mg
			5 mg	± 0.006 mg
			10 mg	± 0.008 mg
			20 mg	± 0.010 mg
			50 mg	± 0.012 mg
			100 mg	± 0.015 mg
			200 mg	± 0.020 mg
			500 mg	± 0.025 mg
			1 g	± 0.030 mg
			2 g	± 0.04 mg
			5 g	± 0.05 mg
			10 g	± 0.06 mg
			20 g	± 0.08 mg
			50 g	± 0.10 mg
			100 g	± 0.15 mg
			200 g	± 0.30 mg
			500 g	± 0.8 mg
			1 kg	± 1.5 mg
			2 kg	± 3.0 mg
			5 kg	± 8.0 mg
			10 kg	± 15.0 mg
Field: Mechanical (Weighing Balance – Lab and Onsite)				
9.	Weighing Balance	CP- M02	(0 to 220) g Readability ≥ 0.1 mg	± 0.1 mg
			220g to 12 kg Readability ≥ 0.01 g	± 8 mg
			(12 to 100) kg Readability ≥ 1 g	± 1.2 g
			(100 to 500) kg Readability ≥ 5 g	± 5 g

Quality Manager

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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Calibration Measurement Capabilities (CMC) expressed as expanded uncertainty U (k=2) (to be expressed in ±) U (k=2)
Field: Mechanical (Time & Frequency)				
10.	Time Difference Meter	CP E-51	600-100000 s	±1 s
11.	Time Difference Meter	CP E-52	100-100000 s	±1 s
12.	Time Meter		600-100000 s	±1 s
13.	Time Meter	CP E-53	600-100000 s	±1 s
Field: Thermal				
14.	Liquid in Glass Thermometer	CP-T-02	(-50 to 250)℃	± 0.07℃
15.	Direct Reading Thermometer	CP-T-01	-50℃	± 0.05℃
			0℃	± 0.039℃
			(50 to 250)℃	± 0.058℃
			(250 to 650)℃	± 0.1℃
Field : Mechanical (Pressure)				
16.	Gauge pressure Gas medium by Deadweight	CP-P05	1.5 – 40 kPa	± 0.1 kPa
17.	Gauge pressure Liquid medium by Deadweight	CP-P02	0.1 – 1 MPa	± 0.8 kPa
			0.5-4 MPa	± 1.1 kPa
			2-25 MPa	± 7.0 kPa
			5-60 MPa	± 14.0 kPa
			10-100 MPa	± 65 kPa
Field: Mechanical (Volume)				
18.	**Glassware:** Flasks, Pipette, Burette, Measuring Cylinder, Pycnometers, Beaker	CP-V01	1-500 ml	± 0.002-0.3 ml
19.	Micro Pipette	CP-V03	20 µl - 200 ml	± 0.07 - 20 µl

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Quality Manager