



Bangladesh Accreditation Board (BAB)

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Certificate of Accreditation

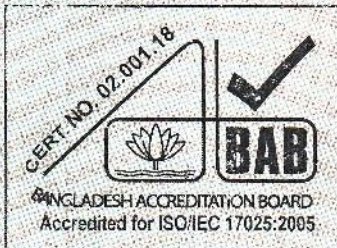
This is to certify that

National Metrology Laboratory (NML-BSTI)

**BSTI Maan Bhaban, 116-A Tejgaon Industrial Area
Dhaka-1208, Bangladesh**

has been granted accreditation in respect of the scope of accreditation described in the attached document, subject to the terms and conditions governing the relevant Conformity Assessment Body (CAB) accreditation

This Calibration Laboratory having met the requirements of ISO/IEC 17025:2005 and the BAB, is accredited for Calibration as described in the associated Scope of Accreditation.



Certificate Number : 02.001.18

Issued on : 30 September 2018

Accreditation Date : 30 September 2018

Valid until : 29 September 2021

**Md. Monwarul Islam
Director General**

Bangladesh Accreditation Board (BAB)

This certificate has been issued under the authority of Bangladesh Accreditation Act, 2006 and must be returned on request; reproduction must follow guidelines in place at date of issue. For the specific scopes to which this accreditation applies, please refer to the directory of accredited CABs at <http://www.bab.org.bd/directory-of-accredited-cabs>

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 17025:2005 **Accreditation Date:** 30 September 2018
Certificate Number: 02.001.18 **Issued on:** 30 September 2018
Last Amended on: NA **Valid until:** 29 September 2021
Amendment no: NA

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 ±)
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)				
			1 mg	± 0.003 mg
			2 mg	± 0.003 mg
			5 mg	± 0.003 mg
			10 mg	± 0.003 mg
			20 mg	± 0.003 mg
			50 mg	± 0.004 mg
			100 mg	± 0.005 mg
			200 mg	± 0.006 mg
			500 mg	± 0.008 mg
			1 g	± 0.010 mg
			2 g	± 0.012 mg
8.	Mass Standard	CP-M01	5 g	± 0.016 mg
			10 g	± 0.020 mg
			20 g	± 0.025 mg
			50 g	± 0.03 mg
			100 g	± 0.05 mg
			200 g	± 0.10 mg
			500 g	± 0.25 mg
			1 kg	± 0.50 mg
			2 kg	± 1.0 mg
			5 kg	± 2.5 mg
			10 kg	± 5.0 mg
Field: Mechanical (Weighing Balance – Lab and Onsite)				
9.	Weighing Balance	CP- M02	(0 to 220) g Readability 0.1 mg	± 0.1 mg


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 ±)
			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
Field: Mechanical (Time & Frequency)				
10.	Time Difference Meter	Internal Method CP E-51	600-100000 s	±1 s
11.	Time Difference Meter	Internal Method CP E-52	100-100000 s	±1 s
12.	Time Meter		600-100000 s	±1 s
13.	Time Meter	Internal Method CP E-53	600-100000 s	±1 s
Field: Thermal				
14.	Liquid in Glass Thermometer	Internal Method CP-T-02	(-50 to 250)°C	± 0.07°C
15.	Direct Reading Thermometer	Internal Method CP-T-01	-50°C	± 0.05°C
			0°C	± 0.039°C
			(50 to 250)°C	± 0.058°C
			(250 to 650)°C	± 0.1°C
Field : Mechanical (Pressure)				
16.	Gauge pressure Gas medium by Deadweight	Internal Method CP-P05	1.5 – 40 kPa	± 0.1 kPa
17.	Gauge pressure Liquid medium by Deadweight	Internal Method CP-P02	0.1 – 1 MPa	± 2 kPa
			0.5-4 MPa	± 7 kPa
			2-25 MPa	± 25 kPa
			5-60 MPa	± 50 kPa
			10-100 MPa	± 65 kPa
Field : Mechanical (Volume)				
18.	Glassware: Flasks, Pipette, Burette, Measuring Cylinder, Pycnometers, Beaker	Internal Method CP-V01	1-500 ml	± 0.002-0.3 ml
19.	Micro Pipette		Internal Method CP-V03	20 µl - 200 ml

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Quality Manager