



ACCREDITATION CERTIFICATE

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

Peerless Calibration Services Ltd.

2F, 8C & 9C, Zoo Road, Section-1, Mirpur

Dhaka-1216, 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 : **02.011.20**
Accreditation Date : **29 October 2020**
Date of Issuance : **29 October 2020**
Date of Expiration : **28 October 2023**



Md. Monwarul Islam
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.

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address:	Peerless Calibration Services Ltd. 2F, 8C & 9C, Zoo Road, Section-1, Mirpur, Dhaka-1216, Bangladesh.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	29 October 2020
Certificate Number:	02. 011.20	Issued on:	29 October 2020
Last Amended on:	NA	Valid until:	28 October 2023
Amendment no:	NA		

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Length & Dimension				
1.	Vernier Caliper	WI-DM-01	Up to 300mm	For L.C 0.01mm $\pm 10\mu\text{m}$ For L.C 0.02mm $\pm 15\mu\text{m}$
2.	Micrometer	WI-DM-03	Up to 100mm	For L.C 0.001mm $\pm 1\mu\text{m}$ For L.C 0.01mm $\pm 7\mu\text{m}$
3.	Master Rod/ Setting Rod	WI-DM-02	Up to 500mm	$\pm 10\mu\text{m}$
4.	Thickness Gauge	WI-DM-05	Up to 100mm	For L.C 0.001mm $\pm 3.1\mu\text{m}$ For L.C 0.002mm $\pm 3.2\mu\text{m}$ For L.C 0.01mm $\pm 8\mu\text{m}$
5.	Height Gauge	WI-DM-08	Up to 300mm	For L.C 0.01mm $\pm 16\mu\text{m}$ For L.C 0.02mm $\pm 19\mu\text{m}$
6.	Feeler Gauge	WI-DM-04	Up to 1mm	$\pm 3.8\mu\text{m}$
Field: Time				
7.	Timer/Stop watch	WI-ET-01	1sec to 30sec 31sec to 7200sec 7200sec to 21600sec 21600sec to 863885sec	$\pm 0.15\text{sec}$ $\pm 0.25\text{sec}$ $\pm 11\text{ sec}$ $\pm 26\text{ sec}$
Field: Density				
8.	Hydrometer	WI-DS-01	0.6 to 2.0 g/ml	± 0.0006 to $\pm 0.00065\text{ g/ml}$
Field: Speed				
9.	Noncontact Tachometer	WI-SP-01	10 to 99999 r/min	± 1.5 to $\pm 7\text{ r/min}$
Field: Sound				
10.	Sound level Meter	WI-SD-01	94dB & 114dB	$\pm 1.2\text{dB}$
Field: Light				
11.	Lux Meter	WI-LX-01	0 to 15000 Lux	$\pm 4.7\%$



 Quality Manager

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Field: Flow				
12.	Liquid Flow Meter	WI-GR-27	0 to 12000 m ³ /hr	±0.65%
Field: Thermal				
13.	Digital Thermometer/ Temperature chamber	WI-TP-01-10	-20 °C to 0 °C 100.0 °C 200 °C 500 °C 650 °C	± 0.20 °C ± 0.30 °C ± 0.70 °C ± 2.50 °C ± 3.0 °C
Field: Mass				
14.	Mass (weight)	WI-MS-02	1- 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg	± 0.06 mg ± 0.08 mg ± 0.10 mg ± 0.12 mg ± 0.16 mg ± 0.20 mg ± 0.25 mg ± 0.30 mg ± 0.40 mg ± 0.50 mg ± 0.60 mg ± 0.80 mg ± 1.0 mg ± 2.0 mg ± 3.0 mg ± 8.0 mg ± 16 mg ± 30 mg ± 80 mg ± 160 mg ± 300 mg
15.	Balance (On site)	WI-MS-01	0 to 220 g Readability ≥ 0.1 mg 0 to 1.2 kg Readability = 0.01 g	± 0.2 mg ± 0.02 g ± 1.6 g



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			0 to 12 kg Readability ≥ 1 g 0 to 500 kg Readability ≥ 5 g	± 5.5 g
Field: Electrical				
16.	Current (AC,DC)	WI-ET-02	1mA to 3A	± 0.17% to ±0.25%
17.	Voltage (AC,DC)	WI-ET-03	1mV to 1000V	±0.076% to ± 0.006%
18.	Resistance	WI-ET-04	1Ω to 100MΩ	± 0.017% to ± 0.18%
Field: Volume				
19.	Volumetric Glass Ware (Pipette/ Burette/ Volumetric Flask/ Measuring Cylinder/ Beaker)	WI-VM-02	0.01 ml to 1 ml 1 ml to 100 ml 100 ml to 500 ml 500 ml to 1000 ml	± 0.001 ml to 0.01 ml ± 0.02 ml to 0.6 ml ± 0.6 ml to 1 ml ± 1.0 ml to 1.5 ml
Field: Pressure- In-house/ Onsite				
20.	Pressure Gauge (Pneumatic / Hydraulic) Vacuum Gauge	WI-PS-01 WI-PS-02 WI-PS-03	0 to 30 bar 30 bar to 1000 bar -1 bar to 2 bar	± 0.39 bar ± 0.85 bar ± 0.01 bar
Field: Force-Onsite				
21.	Uniaxial Testing Machine (Universal, Tensile, Compression testing machine) & Load cell with Indicator	WI-FC-01	Tension & Compression 1 N to 1000 N 1 KN to 10 KN 10 KN to 20 KN	± 0.2% ± 0.4% ± 0.6%
Field: Hardness- In-house/ Onsite				
22.	Rubber Hardness Tester	WI-HD-01	0 to 100 Shore (Shore A,B,C,D,F AO,AM)	± 0.9% Shore
Field: Strength Tester				



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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
23.	Push Pull Tester/Gauge	WI-FC-02	0 to 50 kgf	± 0.7 kgf

END



Quality Manager