



ACCREDITATION CERTIFICATE

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

Quality Calibration Solutions Private Limited

House#535, Avenue#06, Road#08

DOHS, Mirpur, Dhaka

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 : **02.008.18**
Accreditation Date : **13 September 2018**
Date of Issuance : **11 November 2024(2nd Renewal)**
Date of Expiration : **12 September 2027**



22.11.2028
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.

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Quality Calibration Solutions Private Limited
House# 535(3rd Floor), Road# 08, Avenue#06, Mirpur DOHS,
Dhaka - 1216, Bangladesh.

Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 13 September 2018

Certificate Number: 02.008.18 **Issued on:** 11 November 2024

Last Amended on: NA **Valid until:** 12 September 2027

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: MECHANICAL				
01	Mass Weights	WI-01	1 mg	0.06 mg
			2 mg	0.06 mg
			5 mg	0.06 mg
			10 mg	0.08 mg
			20 mg	0.10 mg
			50 mg	0.12 mg
			100 mg	0.16 mg
			200 mg	0.20 mg
			500 mg	0.25 mg
			1 g	0.30 mg
			2 g	0.40 mg
			5 g	0.50 mg
			10 g	0.60 mg
			20 g	0.80 mg
			50 g	1.0 mg
			100 g	1.6 mg
			200 g	2.0 mg
			500 g	2.5 mg
			1 kg	5.0 mg
			2 kg	10.0 mg
			5 kg	15.0 mg
			10 kg	20.0 mg
			20 kg	30.0 mg
02	MASS (Balance/ Weigh Scale)	WI-02	0 to 200 g	0.1 to 0.2 mg
			200g to 1 kg	0.2 mg to 0.5 mg
			1 kg to 6 kg	0.5 mg to 0.01 g
			6 kg to 20 kg	0.01 g to 0.5 g
			20 kg to 100 kg	0.5 g to 5 g
			100 kg to 500 kg	10 g to 15 g
			500kg to 2000kg	15 g to 50 g
			2000kg to 10000 kg	100 g to 500 g
03	Volume (Flask / Beaker / Measuring Cylinder,	WI-03	10 to 100 µL	0.008 to 0.015 µL
			0.1 to 10 mL	0.015 to 1 µL
			10 to 100 mL	5 to 20 µL


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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) (±)
	Glass- Wears/Burette /Micro Syringe /Auto Pipette / Micro Pipette etc.)		100 to 1000 mL 1 L to 20 L 20 L to 100 L	5 to 100 µL 0.1 to 2 mL 20 to 200 mL
04	Rotation/Speed (Source) Contact	WI-04	0 to 100 rpm 100 to 3000 rpm 3000 to 6000 rpm	5 % rdg 0.11 % rdg 0.11 % rdg
	Rotation/Speed (Source) Non-Contact		0 to 100 rpm 100 to 3000 rpm 3000 to 6000 rpm 6000 to 50000 rpm	5 % rdg 0.11 % rdg 0.11 % rdg 0.08 % rdg
05	Rotation/Speed (Measure) Contact	WI-04	0 to 100 rpm 100 to 3000 rpm 3000 to 6000 rpm	5 % rdg 0.11 % rdg 0.11 % rdg
	Rotation/Speed (Measure) Non-Contact		0 to 100 rpm 100 to 3000 rpm 3000 to 6000 rpm 6000 to 50000 rpm	5 % rdg 0.11 % rdg 0.11 % rdg 0.08 % rdg
06	Length Bar	WI-13	0 to 180 mm	10 to 25 µm
07	Vernier Caliper/ Digital Caliper	WI-09	0 to 180 mm	5 to 6 µm
08	Depth Gauge	WI-07	0 to 180 mm	5 to 6 µm
09	Micrometer	WI-08	0 to 25mm 25 to 180 mm	1 µm 5 to 10 µm
10	Ultrasonic Thickness Gauge	WI-26	0 to 25 mm	1 µm
11	Thickness Gauge	WI-14	0 to 25 mm	1 µm
12	Height Gauge	WI-15	0 to 180 mm	10 to 12 µm
13	Dial Gauge/ Indicator	WI-16	0 to 25 mm 25 to 50 mm	1 to 6 µm 6 to 8 µm


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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) (±)
14	Foil	WI-17	0 to 1 mm	3µm
15	Feeler Gauge	WI-17	0 to 25 mm	3µm
16	Angle/Protector/ Level Meter etc.	WI-18	0° to 90°	0.05°
17	Noise/ Sound Measuring Device/ Sound Level Meter	WI-23	94 & 114 dB	1.74dB
18	Illuminance/ Lux Meter	WI-24	0 to 3000Lux 3000 to 20000 Lux	4.4% of rdg 4.3% of rdg
19	Measuring Tape/ Scales	WI-20	0 to 100 mm 100 to 500 mm 500 to 1000 mm	0.58 mm 0.58 mm 0.58 mm
20	Force (Force Gauge/ Spring Balance / Force Measuring Device)	WI-27	0 to 1kN	0.3 % of rdg
21	pH (Meter, Sensor, Transmitter)	WI-52	4 pH 7 pH 10 pH	0.05 pH 0.08 pH 0.12 pH
22	Conductivity (Meter, Sensor, Transmitter)	WI-53	0 to 1mS/cm ²	0.5 to 1.8 µS/cm
23	TDS (Meter, Sensor, Transmitter)	WI-54	0 to 5000ppm	0.35 to 1.19 ppm
24	DO (Meter, Sensor, Transmitter)	WI-55	0 mg/L	0.06 mg/L


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25	Refractive Index Tester	WI-31	1.3331	1.8% of rdg
26	Force (Compression) Load Cell/ Compression Machine)	WI-28	0 – 500N; 500N-2kN; 2kN-500kN	1.2 to 8.1 kgf
27	Force (Elongation) Load Cell/UTM Machine)	WI-29	0 – 500N; 500N-2kN; 2kN-500kN	1.2 to 8.1 kgf
28	Pressure (Pressure Gauge/ Sensor/Switch/ Transmitter/ Indicator/ Manometer/ Barometer/ Safety Valve/Pressure Meter/ BP Machine) etc.	WI-21	0 to 1 bar 1 to 10 bar 10 to 700 bar	0.55 % of rdg 0.15 % of rdg 0.10 % of rdg
29	Vacuum (Vacuum Gauge/ Sensor/Switch/ Transmitter/ Indicator/ Manometer/ Barometer/ Safety Valve/Pressure Meter/ BP Machine) etc.	WI-22	-1 to 0 bar	0.69 % of rdg
30	Torque Wrench	WI-34	0 to 50 N.m	0.1 to 0.2 Nm
31	Torque Meter	WI-42	0 to 50 N.m	0.006 Nm


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32	Hardness Tester	WI-35	539 HLD	5 HLD
33	Irradiance/ UV Meter	WI-36	0 to 19990 uW/cm ² (290 to 390) nm	5% of rdg
34	Magnetic Flux (Magnetometer/ Tesla meter/Magnet)	WI-37	0 to 2000 mT	1.7 to 2.7 % of rdg
35	Spectrophotometer	WI-38	LAB (0 to 100) RGB (0-255) HSB (0-359)	1% of rdg
36	Moisture Meter (Aqua Boy)	WI-39	70 %	0.995%
37	Shore Hardness Tester	WI-59	0 to 100 HA	0.65% of rdg

Field: THERMAL

38	Glass Type Thermometers	WI-10	-20 to 25 °C 25 to 200 °C 200 to 350 °C	0.64 °C 0.65 °C 0.66 °C
39	Digital & analogue Thermometers /PT100/ RTDs/ TCs (J/K/E/T/R/S/B/N etc.) with indicator & without indicator	WI-11	-250 to -100 °C -100 to -20 °C -20 to 300 °C 300 to 600 °C 600 to 1200 °C 1200 to 1800 °C	0.6 °C 0.6 °C 0.6 °C 0.6 °C 0.6 °C 0.6 °C
40	Humidity (Sensor/ Data Logger/ Hygrometer/ Transmitter)	WI-30	5 – 95 % -40°C to + 85°C	3% 0.6°C


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41	Temperature Indicator/ controller of- Oven/Incubator/ Water-Bath /Oil- Bath/ Refrigerators/ Furnace/ Autoclaves/ Temperature Chambers/ Room/ etc.	WI-12	-250 to -100 °C -100 to -20 °C -20 to 300 °C 300 to 600 °C 600 to 1200 °C 1200 to 1800 °C	0.6 °C 0.6 °C 0.6 °C 0.6 °C 0.6 °C 0.6 °C
42	Stability Chamber	WI-40	5 – 95 % -40°C to + 85°C	3% 0.6°C
43	Autoclaves/ Sterilizer	WI-63	0 to 250 °C 0 to 5 bar	0.04 °C 0.005 bar
Filed: Flow & Velocity				
44	Flow (Meter, Sensor, Transmitter)	WI-25	0 to 500 L/min	1.6 L/min
45	Air Velocity/ Anemometer	WI-32	1 – 30 m/s	2.55% of rdg
Filed: Electro-Technical				
46	Stop-Watches/ Timers/ Counters	WI-05	1sec to 30sec 31sec to 7200sec 7200sec to 21600sec 21600sec to 86400sec	1.01 sec 1.01 sec 1.01 sec 1.01 sec
47	DC Current (Measure)	WI-49	100 µA to 10 A	0.07% of rdg
48	DC Current (Source)	WI-49	100 µA to 10 A	0.07% of rdg


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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) (±)
49	DC Voltage (Measure)	WI-44	1 mV to 40 kV	0.06% to 0.08% of rdg
50	DC Voltage (Source)	WI-48	1 mV to 40 kV	0.06% to 0.08% of rdg
51	Frequency (Measure)	WI-57	3 Hz to 300 kHz	0.10% of rdg
52	Frequency (Source)	WI-58	3 Hz to 300 kHz	0.10% of rdg
53	Inductance (Measure)	WI-46	10 μ H ~ 111.1mH	2.0 % of rdg
54	Inductance (Source)	WI-46	10 μ H ~ 111.1mH	2.0 % of rdg
55	Resistance (Measure)	WI-45	0.1 Ω to 1 G Ω	0.08% of rdg
56	Resistance (Source)	WI-50	0.1 Ω to 1 G Ω	0.08% of rdg
57	AC Voltage (Measure)	WI-44	1 mV to 40 kV	0.05% to 0.002% of rdg
58	AC Voltage (Source)	WI-48	1 mV to 40 kV	0.05% to 0.002% of rdg
59	AC Current (Source)	WI-49	0 to 200 A	0.19 to 0.29% of rdg
60	Capacitance (Measure)	WI-47	40.00 nF to 1000 μ F	0.3% to 0.8% of rdg
61	Capacitance (Source)	WI-51	40.00 nF to 1000 μ F	0.3% to 0.8% of rdg

END


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