National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, L.B.S. ROAD, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04811 **Page No** 1 of 8

Validity 07/06/2026 to 06/06/2030 **Last Amended on** 29/06/2026

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-VOLUME	Volumetric Glassware, Pipette, Burette, Measuring Cylinder, Volumetric Flask	Using Weighing Balance (Readability: 0.001 g) and Distilled Water by Gravimetric Method as per ISO 4787:2021	> 100 ml to 500 ml	0.04 ml
2	MECHANICAL-VOLUME	Volumetric Glassware, Pipette, Burette, Measuring Cylinder, Volumetric Flask	Using Weighing Balance with (Readability: 0.001 g) and Distilled Water by Gravimetric Method as per ISO 4787:2021	> 500 ml to 1000 ml	0.06 ml
3	MECHANICAL-VOLUME	Volumetric Glassware, Pipette, Burette, Measuring Cylinder, Volumetric Flask.	Using Weighing Balance with (Readability: 0.01 mg / 0.1 mg) and Distilled Water by Gravimetric Method as Per ISO 4787: 2021	0.5 ml to 100 ml	0.012 ml
4	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.01 g) Class II and coarser	Using E2 and F1 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 3 kg	20 mg

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5	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.01 mg) Class I and Coarser	Using E2 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 80 g	0.03 mg
6	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.1 g) Class II and Coarser	Using E2 and F1 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 5 kg	200 mg
7	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.1 mg) Class I and Coarser	Using E2 Accuracy Class Weights as per OIML R- 76: 2006	0 to 200 g	0.2 mg
8	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 1 mg) Class II and Coarser	Using E2 and F1 Accuracy class Weights as per OIML R 76-1	0 to 500 g	1.2 mg
9	MECHANICAL-WEIGHTS	Accuracy Class M1 & Coarser	Using F1 Class Weights and Weighing Balances (Readability : 0.1 g), ABBA Cycle by Substitution Method as per OIML R-111	5 kg	80 mg

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10	MECHANICAL-WEIGHTS	Accuracy Class M1 & Coarser	Using F1 Class Weights and Weighing Balances (Readability : 0.001 g), ABBA Cycle by Substitution Method as per OIML R-111	500 g	7.5 mg
11	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	1 g	0.03 mg
12	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	1 mg	0.02 mg
13	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	10 g	0.06 mg

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14	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	10 mg	0.02 mg
15	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.1 mg), ABBA Cycle by Substitution Method as per OIML R-111	100 g	0.2 mg
16	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	100 mg	0.02 mg
17	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	2 g	0.04 mg

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18	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	2 mg	0.02 mg
19	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	20 g	0.08 mg
20	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	20 mg	0.02 mg
21	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	200 g	0.3 mg

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22	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	200 mg	0.03 mg
23	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	5 g	0.04 mg
24	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	5 mg	0.02 mg
25	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	50 g	0.09 mg

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26	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	50 mg	0.02 mg
27	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and Coarser)	Using E2 Class Weights and Weighing Balances (Readability : 0.01 mg), ABBA Cycle by Substitution Method as per OIML R-111	500 mg	0.03 mg
28	MECHANICAL-WEIGHTS	Weights (M1 Accuracy Class and Coarser)	Using F1 Class Weights and Weighing Balances (Readability : 0.001 g), ABBA Cycle by Substitution Method as per OIML R-111	1 kg	10 mg
29	MECHANICAL-WEIGHTS	Weights (M1 Accuracy Class and Coarser)	Using F1 Class Weights and Weighing Balances (Readability : 0.001 g), ABBA Cycle by Substitution Method as per OIML R-111	2 kg	30 mg

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Site Facility					
1	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.01 g) Class II and coarser	Using E2 and F1 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 3 kg	20 mg
2	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.01 mg) Class I and Coarser	Using E2 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 80 g	0.03 mg
3	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.1 g) Class II and Coarser	Using E2 and F1 Accuracy Class Weights as per OIML R 76-1: 2006	0 to 5 kg	200 mg
4	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 0.1 mg) Class I and Coarser	Using E2 Accuracy Class Weights as per OIML R- 76: 2006	0 to 200 g	0.2 mg
5	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance (Readability: 1 mg) Class II and Coarser	Using E2 and F1 Accuracy class Weights as per OIML R 76-1	0 to 500 g	1.2 mg

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of *k* = 2.**