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

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Validity 07/06/2024 to 06/06/2026 **Last Amended on** -

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 with readability : 0.001 g and Distilled Water by Gravimetric Method as per ISO 4787	>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	>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	0.5 ml to 100 ml	0.010 ml
4	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance readability: 0.01 g, Class II and coarser	Using E2 Accuracy Class standard weights 1 mg to 200 g and F1 Accuracy class weights 500 g to 5 kg as per OIML R 76-1	0 kg 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 standard weights 1 mg to 200 g as per OIML R 76-1	0 g 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 Accuracy Class standard weights 1 mg to 200 g and F1 Accuracy class weights 500 g to 5 kg, as per OIML R 76-1	0 kg 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 standard weights 1 mg to 200 g as per OIML R- 76	0 g to 200 g	0.2 mg
8	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	1 g	0.03 mg
9	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of Readability: 0.01 mg as per OIML R-111substitution method through ABBA cycle	1 mg	0.02 mg

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10	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	10 g	0.06 mg
11	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	10 mg	0.02 mg
12	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.1 mg as per OIML R-111 substitution method through ABBA cycle	100 g	0.2 mg

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13	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	100 mg	0.02 mg
14	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	2 g	0.04 mg
15	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	2 mg	0.02 mg

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16	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	20 g	0.08 mg
17	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	20 mg	0.02 mg
18	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.1 mg as per OIML R-111 substitution method through ABBA cycle	200 g	0.3 mg

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19	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	200 mg	0.03 mg
20	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	5 g	0.04 mg
21	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	5 mg	0.02 mg

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22	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	50 g	0.09 mg
23	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	50 mg	0.02 mg
24	MECHANICAL-WEIGHTS	Weights (F2 Accuracy Class and coarser)	Using E2 Accuracy Class standard weights and Balance of readability: 0.01 mg as per OIML R-111 substitution method through ABBA cycle	500 mg	0.03 mg

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25	MECHANICAL-WEIGHTS	Weights (M1 Accuracy Class and coarser)	Using F1 Accuracy Class standard weights and Weighing Balances of readability: 0.001 g as per OIML R-111 substitution method through ABBA cycle	1 kg	10 mg
26	MECHANICAL-WEIGHTS	Weights (M1 Accuracy Class and coarser)	Using F1 Accuracy Class standard weights and Weighing Balances of readability: 0.001 g as per OIML R-111 substitution method through ABBA cycle	2 kg	30 mg
27	MECHANICAL-WEIGHTS	Weights (M2 Accuracy Class and coarser)	Using F1 Accuracy Class standard weights and Weighing Balances of readability: 0.1 g as per OIML R-111 substitution method through ABBA cycle	5 kg	100 mg

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28	MECHANICAL-WEIGHTS	Weights (M2 Accuracy Class and coarser)	Using F1 Accuracy Class standard weights and Weighing Balances of readability: 0.001 g as per OIML R-111 substitution method through ABBA cycle	500 g	20 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 Accuracy Class standard weights 1 mg to 200 g and F1 Accuracy class weights 500 g to 5 kg as per OIML R 76-1	0 kg 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 standard weights 1 mg to 200 g as per OIML R 76-1	0 g 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 Accuracy Class standard weights 1 mg to 200 g and F1 Accuracy class weights 500 g to 5 kg, as per OIML R 76-1	0 kg 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 standard weights 1 mg to 200 g as per OIML R- 76	0 g to 200 g	0.2 mg

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