



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**PTP Name :**

THE BOMBAY TEXTILE RESEARCH ASSOCIATION- PT DIVISION, L.B.S.MARG,  
GHATKOPAR WEST, MUMBAI, MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard**

ISO/IEC 17043: 2023

**Certificate Number**

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18/03/2024 to 05/06/2024

**Last Amended on**

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S.No	Discipline/ Sub-discipline	Proficiency Testing Scheme/ Type of PT Item/ Matrix	Measurand/ Characteristic/ Type of measurand/ Type of characteristic/ Analyte/ Parameter
1	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING
2	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO DRY CLEANING
3	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO ORGANIC SOLVENT
4	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO PERSPIRATION
5	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO RUBBING
6	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO SEA WATER
7	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO WASHING WITH SOAP OR SOAP AND SODA
8	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COLOUR FASTNESS TO WATER
9	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	DIMENSIONAL CHANGES OF FABRIC AFTER HOME LAUNDERING
10	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	DIMENSIONAL CHANGES OF GARMENT AFTER HOME LAUNDERING
11	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	DIMENSIONAL CHANGES ON SOAKING IN WATER
12	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	45 DEGREE INCLINED FLAMMABILITY
13	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	FREE FORMALDEHYDE



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14	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	HORIZONTAL FLAMMABILITY (FLAMMABILITY AND FLAME RESISTANCE OF HORIZONTALLY ORIENTED SPECIMEN)
15	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	RELEASED FORMALDEHYDE
16	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	SCOURING LOSS
17	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	VERTICAL FLAMMABILITY (BURNING BEHAVIOUR - MEASUREMENT OF FLAME SPREAD PROPERTIES OF VERTICALLY ORIENTED SPECIMEN)
18	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	WATER REPELLENCY - SPRAY RATING
19	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FIBRES, YARNS, AND FABRICS (WOVEN AND KNITTED)	MOISTURE CONTENT
20	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FIBRES, YARNS, AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	ESTIMATION OF FATTY MATTER, FATS/WAXES, ASH CONTENT
21	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FIBRES, YARNS, AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	pH OF AQUEOUE EXTRACT
22	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE FIBRES, YARNS, AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	WATER SOLUBLE MATTER
23	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 2,6 XILIDINE, 4-AMINOAZOBENZENE,



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24	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4 AMINO BIPHENYL, BENZIDINE, 4 CHLORO - O-TOLUIDINE, 2-NAPHTHYL AMINE, O-AMINO AZOTOLUENE, 5 NITRO-O-TOLUIDINE, 4-CHLOROANILINE, 2,4 DIAMINOANIZOLE,
25	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE YARNS, AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	TOTAL HEAVY METALS (Sb, Cu, Pb, Ni, Co, Cd, As, Cr, Hg)
26	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILE YARNS, FABRICS (WOVEN, NON-WOVEN AND KNITTED)	EXTRACTABLE HEAVY METALS (Sb, Cu, Pb, Ni, Co, Cd, As, Cr, Hg)
27	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' METHYLENEDIANILINE, 3,3' DICHLOROBENZIDINE, 3,3' DIMETHOXY BENZIDINE, 3,3' DIMETHYLBENZIDINE
28	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' METHYLENEDI-O-TOLUIDINE, P-CRESIDNE, 2,2' DICHLORO- 4,4' METHYLENEDIANILINE, 4,4' OXYDIANILINE
29	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' THIODIANILINE, O-TOLUIDINE, 2,4 TOLUENEDIAMINE, 2,4,5 TRIMETHYLANILNE, O-ANISIDINE, 2,4 XYLIDINE
30	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON-WOVEN AND KNITTED)	BLEND ANALYSIS



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31	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	COLOUR FASTNESS TO ARTIFICIAL LIGHT (XENON ARC LAMP)
32	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	COLOUR FASTNESS TO BLEACHING - HYPOCHLORITE
33	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	COLOUR FASTNESS TO BLEACHING - PEROXIDE
34	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	COLOUR FASTNESS TO CHLORINATED WATER
35	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	COLOUR FASTNESS TO WASHING
36	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES YARNS AND FABRICS (WOVEN, NON- WOVEN AND KNITTED)	IDENTIFICATION OF FIBRES
37	TESTING-MECHANICAL	Simultaneous Scheme/ COTTON FIBRE	UNIFORMITY RATIO - PHYSICAL PROPERTIES OF COTTON FIBRE HIGH VOLUME INSTRUMENT (HVI)
38	TESTING-MECHANICAL	Simultaneous Scheme/ COTTON FIBRE	2.5% SPAN LENGTH PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI)
39	TESTING-MECHANICAL	Simultaneous Scheme/ COTTON FIBRE	MICRONAIRE - PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI)
40	TESTING-MECHANICAL	Simultaneous Scheme/ COTTON FIBRE	MOISTURE CONTENT - PHYSICAL PROPERTIES OF COTTON FIBRE HIGH VOLUME INSTRUMENT (HVI)



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41	TESTING-MECHANICAL	Simultaneous Scheme/ COTTON FIBRE	TENACITY - PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI)
42	TESTING-MECHANICAL	Simultaneous Scheme/ GEO GRID	SINGLE RIB TENSILE METHOD - ELONGATION PERCENTAGE
43	TESTING-MECHANICAL	Simultaneous Scheme/ GEO GRID (SINGLE RIB)	TENSILE STRENGTH
44	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	2 % SECANT MODULUS FOR POLYETHYLENE GEOMEMBRANES
45	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	CARBON BLACK IN OLEFIN PLASTICS
46	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	DENSITY AND SPECIFIC GRAVITY (RELATIVE DENSITY) OF PLASTIC BY DISPLACEMENT
47	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	ENVIRONMENTAL STRESS CRACKING OF ETHYLENE PLASTICS
48	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	INDEX PUNCTURE RESISTANCE
49	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	INITIAL TEAR RESISTANCE OF PLASTIC FILM AND SHEETING
50	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	MELT FLOW INDEX (FLOW RATE OF THERMOPLASTICS BY EXTRUSION PLASTOMETER )
51	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	TENSILE PROPERTIES - ELONGATION OF NON-REINFORCED POLYETHYLENE AND NON-REINFORCED FLEXIBLE POLYPROPYLENE GEO MEMBRANES
52	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES (NON-REINFORCED POLYETHYLENE AND NON- REINFORCED FLEXIBLE POLYPROPYLENE GEO MEMBRANES)	TENSILE STRENGTH



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53	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	DYNAMIC PERFORATION (CONE DROP) TEST
54	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	ELONGATION PROPERTIES (WIDE WIDTH STRIP METHOD)
55	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	GRAB BREAKING ELONGATION
56	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	GRAB BREAKING LOAD
57	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	MASS PER UNIT AREA
58	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	PORE SIZE CHARACTERISTICS OF GEOTEXTILES BY CAPILLARY FLOW TEST
59	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	SEAM EFFICIENCY OF SEWN GEOTEXTILES
60	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	SEAM STRENGTH OF SEWN GEOTEXTILES
61	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	STATIC PUNCTURE STRENGTH OF GEOTEXTILES AND GEOTEXTILE RELATED PRODUCTS USING A 50 MM PROBE
62	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	TENSILE STRENGTH (WIDE WIDTH STRIP METHOD)
63	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	TRAPEZOID TEAR RESISTANCE
64	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	WATER PERMEABILITY (PERMITTIVITY METHOD)
65	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	THREAD PER INCH (THREAD DENSITY)
66	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	COUNT OF YARN REMOVED FROM FABRICS



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67	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING : MODIFIED MARTINDALE METHOD)
68	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	PILLING RESISTANCE (ICI PILL BOX METHOD)
69	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND KNITTED)	PILLING RESISTANCE AND OTHER RELATED SURFACE CHANGES OF TEXTILE FABRICS: RANDOM TUMBLE PILLING TESTER
70	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN AND NON-WOVEN)	SINGLE RIP TEAR STRENGTH
71	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN)	CREASE RECOVERY ANGLE BY MEASURING ANGLE OF RECOVERY
72	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN)	RESISTANCE TO SLIPPAGE OF YARNS IN WOVEN FABRICS (USING A STANDARD SEAM AT 6 AND 6.4 MM OPENING)
73	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN)	SLIPPAGE RESISTANCE OF YARNS AT A SEAM IN WOVEN FABRICS (FIXED SEAM OPENING METHOD)
74	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	ABRASION RESISTANCE (MARTINDALE ABRASION TESTER METHOD)
75	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	AIR PERMEABILITY OF TEXTILE FABRICS
76	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	BREAKING STRENGTH OF FABRIC - STRIP AND GRAB
77	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	BURSTING STRENGTH (DIAPHRAGM BURSTING STRENGTH TESTER METHOD)



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78	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	ELONGATION AT BREAK % OF FABRIC - STRIP AND GRAB
79	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	LENGTH AND WIDTH OF FABRIC
80	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	TEAR STRENGTH OF FABRIC BY ELMENDORF TESTER
81	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	THICKNESS
82	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	TRAPEZOID TEAR STRENGTH
83	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS (WOVEN, NON-WOVEN AND KNITTED)	WEIGHT PER SQUARE METER AND WEIGHT PER LINEAR METER OF FABRIC
84	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE FABRICS AND GARMENTS/MADE- UPS(WOVEN AND KNITTED)	FAILURE IN SEWN SEAMS OF WOVEN APPAREL FABRICS
85	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE YARNS, CORD, ROPE AND YARNS FROM FABRICS (WOVEN AND KNITTED)	SINGLE YARN STRENGTH
86	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE YARNS, CORD, ROPE AND YARNS FROM FABRICS (WOVEN AND KNITTED)	TWIST IN YARNS
87	TESTING-MECHANICAL	Simultaneous Scheme/ YARNS,CORD, ROPE	ELONGATION AT BREAK OF SINGLE YARN