



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**PTP Name :**

THE BOMBAY TEXTILE RESEARCH ASSOCIATION, PT DIVISION, LAL BHADUR  
SHASTRY MARG, GHATKOPAR WEST, MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard**

ISO/IEC 17043: 2010

**Certificate Number**

PC-1025

**Page No**

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**Validity**

06/06/2020 to 05/06/2022

**Last Amended on**

18/08/2020

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/ TERXTILES	WATER REPELLENCY - SPRAY RATING
2	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 2,6 XILIDINE, 4- AMINOAZOBENZENE,
3	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4 AMINO BIPHENYL, BENZIDINE, 4 CHLORO - O-TOLUIDINE, 2-NAPHTHYL AMINE, O- AMINO AZOTOLUENE, 5 NITRO-O- TOLUDINE, 4-CHLOROANILINE, 2,4 DIAMINOANIZOLE,
4	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' METHYLENEDIANILINE, 3,3' DICHLOBENZIDINE, 3,3' DIMETHOXY BENZIDINE, 3,3' DIMETHYLBENZIDINE
5	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' METHYLENEDI-O-TOLUIDINE, P- CRESIDNE, 2,2' DICHLORO- 4,4' METHYLENEDIANILINE, 4,4' OXYDIANILINE
6	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	AROMATIC AMINES DERIVED FROM AZO COLORANTS - 4,4' THIODIANILINE, O-TOLUIDINE, 2,4 TOLUENEDIAMINE, 2,4,5 TRIMETHYLANILNE, O-ANISIDINE, 2,4 XYLIDINE
7	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	BLEND ANALYSIS



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8	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	BURNING BEHAVIOUR - MEASUREMENT OF FLAME SPREAD PROPERTIES OF VERTICALLY ORIENTED SPECIMEN
9	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO ARTIFICIAL LIGHT (XENON ARC LAMP)
10	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO BLEACHING - HYPOCHLORITE
11	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO BLEACHING - PEROXIDE
12	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO CHLORINATED WATER
13	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING
14	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING - OXIDATIVE BLEACH RESPONSE USING A NON-PHOSPHATE REFERENCE DETERGENT INCORPORATING A LOW TEMPERATURE BLEACH ACTIVATOR
15	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO DRY CLEANING
16	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO HOT PRESSING
17	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO ORGANIC SOLVENT
18	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO PERSPIRATION
19	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO RUBBING
20	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO SEA WATER
21	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO WASHING



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22	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO WASHING WITH SOAP OR SOAP AND SODA
23	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	COLOUR FASTNESS TO WATER
24	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	DIMENSIONAL CHANGES OF FABRIC AFTER HOME LAUNDERING
25	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	DIMENSIONAL CHANGES OF GARMENT AFTER HOME LAUNDERING
26	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	DIMENSIONAL CHANGES ON SOAKING IN WATER
27	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	ESTIMATION OF FATTY MATTER, FATS/WAXES, ASH CONTENT
28	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	EXTRACTABLE HEAVY METALS - Sb, Cu, Pb, Ni, Co, Cd, As, Cr, Hg,
29	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	FLAMMABILITY AND FLAME RESISTANCE OF TEXTILE FABRICS - HORIZONTALLY ORIENTED SPECIMEN
30	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	FLAMMABILITY OF CLOTHING TEXTILES (45 DEGREE INCLINED FLAMMABILITY TESTER)
31	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	FREE FORMALDEHYDE
32	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	IDENTIFICATION OF FIBRES
33	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	MERCERISATION IN COTTON - BARIUM ACTIVITY NUMBER
34	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	MOISTURE CONTENT
35	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	pH OF AQUEOUS EXTRACT
36	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	RELEASED FORMALDEHYDE
37	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	RESISTANCE TO PENETRATION BY WATER OF FABRICS BY HYDROSTATIC HEAD TEST





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38	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	SCOURING LOSS
39	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	TOTAL HEAVY METALS - Sb, Cu, Pb, Ni, Co, Cd, As, Cr, Hg
40	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	WATER SOLUBLE MATTER
41	TESTING-CHEMICAL	Simultaneous Scheme/ TEXTILES	WHITENESS BY REFLECTANCE MEASUREMENT
42	TESTING-MECHANICAL	Simultaneous Scheme/ GEO GRID	TENSILE PROPERTIES OF GEOGRID BY THE SINGLE RIB TENSILE METHOD - ELONGATION %
43	TESTING-MECHANICAL	Simultaneous Scheme/ GEO GRID	TENSILE PROPERTIES OF GEOGRID BY THE SINGLE RIB TENSILE METHOD - 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	FLOW RATE OF THERMOPLASTICS BY EXTRUSION PLASTOMETER (MELT FLOW INDEX)
49	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	INDEX PUNCTURE RESISTANCE OF GEO MEMBRANES AND RELATED PRODUCTS
50	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	INITIAL TEAR RESISTANCE OF PLASTIC FILM AND SHEETING



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51	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	PERFORMANCE TENSILE STRENGTH AND ELONGATION OF GEOMEMBRANES USING WIDE STRIP TESTING
52	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	TENSILE PROPERTIES - ELONGATION OF NON-REINFORCED POLYETHYLENE AND NON-REINFORCED FLEXIBLE POLYPROPYLENE GEO MEMBRANES
53	TESTING-MECHANICAL	Simultaneous Scheme/ GEO MEMBRANES	TENSILE PROPERTIES OF NON- REINFORCED POLYETHYLENE AND NON-REINFORCED FLEXIBLE POLYPROPYLENE GEO MEMBRANES
54	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	DYNAMIC PERFORATION (CONE DROP) TEST
55	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	GRAB BREAKING LOAD AND ELONGATION OF GEO TEXTILES
56	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	MASS PER UNIT AREA OF GEOTEXTILES
57	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	PORE SIZE CHARACTERISTICS OF GEOTEXTILES BY CAPILLARY FLOW TEST
58	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	SEAM STRENGTH AND SEAM EFFICIENCY OF SEWN GEOTEXTILES
59	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	STATIC PUNCTURE STRENGTH OF GEOTEXTILES AND GEOTEXTILE RELATED PRODUCTS USING A 50 MM PROBE
60	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	TENSILE PROPERTIES OF GEOTEXTILES BY THE WIDE WIDTH STRIP METHOD
61	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	TRAPEZOID TEAR RESISTANCE OF GEO TEXTILES



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62	TESTING-MECHANICAL	Simultaneous Scheme/ GEO TEXTILES	WATER PERMEABILITY OF GEO TEXTILES BY PERMITTIVITY METHOD
63	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE	PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI) - MICRONAIRE
64	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILE	THICKNESS OF FABRIC (WOVEN AND KNITTED FABRIC)
65	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	ABRASION RESISTANCE OF TEXTILE FABRICS (MARTINDALE ABRASION TESTER METHOD)
66	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	AIR PERMEABILITY OF TEXTILE FABRICS
67	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	BREAKING STRENGTH OF FABRIC - STRIP AND GRAB
68	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	BURSTING STRENGTH OF TEXTILE FABRICS - DIAPHRAGM BURSTING STRENGTH TESTER METHOD
69	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	COUNT OF YARN REMOVED FROM FABRICS
70	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	CREASE RECOVERY ANGLE BY MEASURING ANGLE OF RECOVERY
71	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	ELONGATION AT BREAK % OF FABRIC - STRIP AND GRAB
72	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	ELONGATION AT BREAK OF SINGLE YARN
73	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING : MODIFIED MARTINDALE METHOD)
74	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	FAILURE IN SEWN SEAMS OF WOVEN APPAREL FABRICS





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75	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	IMPERFECTION PER UNIT LENGTH OF TEXTILE STRAND - HAIRINESS INDEX
76	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	IMPERFECTION PER UNIT LENGTH OF TEXTILE STRAND - SH (-)
77	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	IMPERFECTION PER UNIT LENGTH OF TEXTILE STRAND - THIN (-50%), THICK (+50%), NEPS (+200%)
78	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	LEA COUNT OF SPUN YARNS
79	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	LEA STRENGTH OF SPUN YARNS
80	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	LENGTH AND WIDTH OF FABRIC
81	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	MOISTURE CONTENT
82	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	PHYSICAL PROPERTIES OF COTTON FIBRE BY HVI - UNIFORMITY RATIO
83	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI) - TENACITY
84	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	PHYSICAL PROPERTIES OF COTTON FIBRES BY HIGH VOLUME INSTRUMENT (HVI) 2.5% SPAN LENGTH
85	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	PILLING RESISTANCE - ICI PILL BOX METHOD
86	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	PILLING RESISTANCE AND OTHER RELATED SURFACE CHANGES OF TEXTILE FABRICS: RANDOM TUMBLE PILLING TESTER
87	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	RESISTANCE TO SLIPPAGE OF YARNS IN WOVEN FABRICS USING A STANDARD SEAM AT 6 AND 6.4 MM OPENING
88	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	SINGLE RIP TEAR STRENGTH



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89	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	SINGLE YARN STRENGTH
90	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	SLIPPAGE RESISTANCE OF YARNS AT A SEAM IN WOVEN FABRICS: FIXED SEAM OPENING METHOD
91	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	TEAR STRENGTH OF FABRIC BY ELMENDORF TESTER
92	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	THREAD PER INCH IN WOVEN FABRICS
93	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	TRAPEZOID TEAR STRENGTH
94	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	TWIST IN YARNS
95	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	UNEVENNESS OF TEXTILE STRANDS USING CAPACITANCE TESTING EQUIPMENT
96	TESTING-MECHANICAL	Simultaneous Scheme/ TEXTILES	WEIGHT PER SQUARE METER AND WEIGHT PER LINEAR METER OF FABRIC