National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 1 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Coated material sheets, Plastic, Painted sheets, Non woven fabric, Canvas	Anti fungal Activity	ASTM G 21 - 15:
2	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Coated material sheets, Plastic, Painted sheets, Non woven fabric, Canvas	Antifungal Activity	ASTM D 3273
3	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Anti fungal Activity - Agar Plate Method, Aspergillus niger	AATCC 30 (Part III)
4	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Anti fungal Activity - Agar Plate Method, Chaetomium Globosum	AATCC 30 (Part II)
5	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Antibacterial Activity	AATCC 100
6	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Antibacterial Activity	ASTM E 2149 -13 a
7	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Antibacterial Activity - Absorption Method	ISO 20743
8	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Antibacterial Activity - Absorption Method	JIS L 1902
9	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric / Textiles	Bacterial Filtration Efficiency	ASTM F 2101
10	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Fabric/Textiles	Antibacterial Activity - Parallel streak method	AATCC 147

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 2 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
11	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Plastics, Painted Sheets	Antibacterial Activity	ISO 22196 - 2007(E)
12	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Plastics, Painted Sheets	Antibacterial Activity	JIS Z 2801- 2010
13	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Dyes/pigment	Determination of Hexavalent Chromium in water soluble dyes by HPLC pre column derivatization	IS-17338
14	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Dyes/pigment	Determination of Hexavalent chromium in water insoluble dyes.	BTRA/ECO/SOP-16
15	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	paint and surface coating material	Lead in paints and other similar surface coating	CPSC-CH-E1003-09.1
16	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (Antimony)	DIN EN 16711-2 & ISO11885
17	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (Arsenic)	DIN-EN 16711 -2 & ISO-11885
18	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (Cadmium)	DIN EN 16711-2& ISO-11885
19	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (chromium)	DIN EN 16711 -2 & ISO-11885
20	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (cobalt)	DIN EN 16711 -2 & ISO-11885
21	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (Copper)	DIN EN 16711 -2 & ISO-11885
22	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals (lead)	DIN EN 16711 -2 & ISO-11885
23	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals(Nickel)	DIN EN 16711 -2 & ISO-11885

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	3 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
24	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Extractable heavy metals(mercury)	DIN EN 16711 -2 & ISO-11885
25	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Free and hydrolyzed formaldehyde (water extraction method)	ISO14184-1
26	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile	Free formaldehyde(water extraction method)	JISL 1041
27	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile /Dyes/Pigments	Certain aromatic amine derived from azo colorants (2,4-diaminoanizole)	EN 14362 - I
28	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile Auxiliaries	Free formaldehyde content	IS 16552
29	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/ Pigments	Certain aromatic amine derived from azo colorants (4,4'-thiodianiline)	EN 14362 - I
30	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Arsenic)	DIN EN 16711 -1 & ISO 11885
31	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Barium)	DIN EN 16711 -1 & ISO 11885
32	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Chromium)	DIN EN 16711 -1 & ISO 11885
33	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total heavy metals (Copper)	DIN EN 16711 -1 & ISO 11885
34	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Iron)	DIN EN 16711 -1 & ISO 11885
35	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Lead)	DIN EN 16711 -1 & ISO 11885
36	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Manganese)	DIN EN 16711 -1 & ISO 11885
37	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Mercury)	DIN EN 16711 -1 & ISO 11885

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 4 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Nickel)	DIN EN 16711 -1 & ISO 11885
39	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Selenium)	DIN EN 16711 -1 & ISO 11885
40	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Silver)	DIN EN 16711 -1 & ISO 11885
41	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Tin)	DIN EN 16711 -1 & ISO 11885
42	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals (Zinc)	DIN EN 16711 -1 & ISO 11885
43	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total heavy metals(Antimony)	DIN EN 16711 -1 & ISO 11885
44	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /Auxiliary	Total Heavy Metals(Cobalt)	DIN EN 16711 -1 & ISO 11885
45	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigment /auxillary	Total Heavy Metals(Cadmium)	DIN EN 16711 -1 & ISO 11885
46	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (2-Naphthylamine)	EN 14362 -I
47	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (2,2' dichloro-4,4'-methylene-dianiline)	EN-14362 - I
48	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (2,4- toluenediamine)	EN-14362 - I
49	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/pigments	Certain aromatic amine derived from azo colorants (2,4- Xylidine)	EN- 14362 - I
50	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (2,4,5- trimethylaniline)	EN 14362- I

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6941
Page No	5 of 22
Validity	28/02/2022 to 27/02/2024
Last Amended on	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
51	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (2,6- Xylidine)	EN 14362 - I
52	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (3,3'- dichlorobenzidine)	EN 14362 - I
53	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (3,3'-dimethoxybenzidine)	EN 14362 - I
54	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4-Chloro-o-toluidine)	EN 14362-I
55	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4,4'-methylenedianiline)	EN 14362 -I
56	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4,4'-methylenedi-o-toluidine)	EN 14362 -I
57	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4,4'-oxydianiline)	EN 14362 - I
58	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4-amino azobenzene)	EN 14362 - III
59	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (4-Chloroaniline)	EN 14362 -I
60	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (5-Nitro-o-toluidine)	EN 14362 -I
61	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (Benzidine)	EN 14362-I
62	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (O-aminoazotoluene)	EN 14362 - I
63	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (O-anisidine)	EN 14362 - I
64	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (O-toluidine)	EN 14362 -I

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 6 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
65	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants (P-cresidine)	EN- 14362 - I
66	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants(3,3'-dimethylbenzidine)	EN 14362 - I
67	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textile/Dyes/Pigments	Certain aromatic amine derived from azo colorants(4-amino biphenyl)	EN 14362 -I
68	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Textiles	Released formaldehyde content(vapour absorption method)	ISO 14184-2
69	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Automotive Vehicles – Determination of Burning Behaviour of Interior Material	ISO 3795
70	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Burning behaviour - Measurement of flame spread properties of vertically oriented specimen	IS 15590
71	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Burning behaviour - Measurement of flame spread properties of vertically oriented specimen	ISO 6941
72	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Burning Behaviour- Determination of ease of ignition of vertically oriented specimen	ISO 6940
73	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Burning Behaviour- Determination of Ease of Ignition of Vertically Oriented specimen.	IS 15589
74	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Colour Fastness to Laundering – Home and Commercial (Accelerated)	AATCC 61 (Except 1B)
75	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Colour Fastness to Rubbing	AATCC 8
76	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Colour Fastness to Rubbing	IS 766
77	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Colour Fastness To Rubbing	ISO 105 X12

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 7 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
78	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Determination of Water absorption & Penetration of Fabrics using Bundesman Type Apparatus	IS 392
79	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Dimensional changes of fabric after Home Laundering	AATCC 135
80	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Dimensional changes of Garment after Home Laundering	AATCC 150
81	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Dimensional changes on soaking in Water	IS 2977-1989 (RA 2016) (other than wool) woven and knitted
82	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Dimensional changes on soaking in Water	IS 665-1989 (RA 2016) (containing wool)
83	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Dimensional Changes on Washing of Fabrics	IS 1299
84	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Domestic washing and drying procedures for textile testing	ISO 6330-2012 (ISO 3759-2011, ISO 5077-2007)
85	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Flammability and Flame resistance of Textile Fabrics	IS 11871 Method A
86	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Flammability by oxygen Index	IS 13501
87	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	DIN EN ISO 15025
88	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	DIN EN ISO 15025
89	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	IS15758 (Part -4) /ISO 15025
90	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	IS15758 (Part -4):2007/ISO 15025
91	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	ISO 15025
92	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing- Protection against heat and flame	ISO 15025
93	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Protective Clothing -Protection against heat and flame	ISO 15025
94	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Resistance to Penetration by Water of Fabrics by Hydrostatic Head Test	IS 391

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 8 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Scouring loss	IS 1383
96	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Smoothness Appearance of Fabrics after Repeated Home Laundering	AATCC 124
97	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric	Water Repellency of Fabrics by Water spray Test	IS 390
98	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Face mask and related materials	Determination of Differential Pressure	EN 14683
99	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Face mask and related materials	Determination of Differential Pressure	IS 16289
100	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Face mask and related materials	Splash Resistance	ASTM F1862/F1862M-17
101	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Face mask and related materials	Splash Resistance	IS 16289
102	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Face mask and related materials	Splash Resistance	ISO 22609:2004(E)
103	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre / Yarn / Fabric	Colour Fastness to Bleaching-Hypochlorite	IS 762
104	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Ash content	IS 199
105	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Blend Analysis	AATCC 20A
106	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Blend Analysis	IS 2005
107	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Blend Analysis	IS 2006
108	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Blend Analysis	IS 3416
109	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Blend Analysis	IS 3421
110	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Artificial light (Xenon Arc Lamp)	AATCC 16.3
111	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Artificial light (Xenon Arc Lamp)	IS/ISO 105 B02
112	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Bleaching-Peroxide	IS 763

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 9 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
113	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Chlorinated Water	IS/ISO 105 E03
114	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Domestic and Commercial Laundering	ISO 105 C06 A1S, A1M, A2S, B1S, B1M, B2S, C1S, C1M, C2S
115	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour fastness to domestic and commercial laundering-Oxidative bleach response using a non-phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C09
116	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Dry Cleaning	IS 4802
117	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Dry Cleaning	ISO 105 D01
118	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Hot Pressing	ISO 105 X11
119	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Organic Solvent	IS 688
120	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Perspiration	AATCC 15
121	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Perspiration	IS/ISO 105 E04
122	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Sea Water	IS 690
123	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Sea Water	ISO 105 E02
124	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Washing	IS 3417
125	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Washing	IS 764
126	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Washing	IS 765
127	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Washing with soap	IS 3361
128	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Washing with soap	IS 687
129	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Washing with soap or soda and soda	IS/ISO 105 C10 A(1), B(2), C(3), D(4), E(5)

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	10 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
130	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Water	AATCC 107
131	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness To Water	IS/ISO 105 E01
132	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Estimation of Fatty Matter, Fats / Waxes, Ash content	IS 199
133	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Identification of Fibres	IS 667
134	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/yarn/fabric	Identification of Fibres :Qualitative	AATCC 20
135	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Moisture content	IS 199
136	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	pH value of aqueous extract	AATCC 81
137	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	pH value of aqueous extract	IS/ISO 3071
138	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	pH value of aqueous extract	ISO 3071
139	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/yarn/Fabric	Whiteness by Reflectance Measurement	AATCC 110
140	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric/Chemicals and auxiliaries	Instrumental Colour Measurement- Colour strength value using reflectance measurement	AATCC 173
141	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/YarnFabric	Quantitative chemical analysis of binary mixture of regenerated cellulose fibres and cotton	IS 1889
142	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Other	Flame Resistance Of Textile (Vertical Test)	ASTM D 6413
143	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Others	Automotive Vehicles – Flammability of interior Material	FMVSS-302
144	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Others	Automotive Vehicles – Flammability Requirements	IS 15061 (Annexure A)
145	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Others	Horizontal Flammability	14 CFR FAR 25.853 Appendix F part I
146	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Others	Method of test for Flame Proof Material	BS 3119 (W)

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 11 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
147	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Others	Vertical Flammability	14 CFR FAR 25.853 APPENDIX F Part I
148	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	PPE and Protective clothing materials	Determination of the resistance of Protective clothing materials to penetration by blood or body fluid - Using synthetic blood	ASTM F1670/F1670M-17a
149	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	PPE and Protective clothing materials	Determination of the resistance of Protective clothing materials to penetration by blood or body fluid - Using synthetic blood	IS 16546/ISO 16603
150	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	PPE and Protective clothing materials	Determination of the resistance of Protective clothing materials to penetration by blood or body fluid - Using synthetic blood	IS 17423
151	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles	Flammability of Clothing textile (45° Inclined Flammability Tester)	16 CFR 1610
152	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles	Flammability of Clothing textile (45°Inclined Flammability Tester)	ASTM D 1230-
153	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles	Flammability of clothing textile (45°Inclined Flammability Tester)	IS 11871 (Method B)
154	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Water soluble textile chemicals, auxiliaries and dyes	Chemical Oxygen Demand (COD)	IS 3025- Pt 58
155	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Water soluble textile chemicals, auxuliaries and dyes	Biochemical Oxygen Demand (BOD)	IS 3025- Pt. 44
156	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Water soluble textile chemicals, auxuliaries and dyes	Biodegradability of Textile Chemicals and Auxiliaries	BTRA/CTL/SOP/01-2015, OECD guidelines (1992) 301D closed bottle method
157	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn/Fabric	Determination of Barium Activity Number of Cotton Textile Materials	IS 1689
158	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn/Fabric	Determination of Water Soluble Matter of Textile Materials	IS 3456
159	MECHANICAL- SOIL AND ROCK	Soil	California bearing ratio (CBR)	IS 2720 (Part 16)
160	MECHANICAL- SOIL AND ROCK	Soil	Consolidation properties	IS 2720 (Part 15)

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 12 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
161	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test	IS 2720 (Part 13)
162	MECHANICAL- SOIL AND ROCK	Soil	Dry Density test using heavy compaction	IS 2720 (Part 8)
163	MECHANICAL- SOIL AND ROCK	Soil	Dry density test using light compaction	IS 2720 (Part 7)
164	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS 2720 (Part 40)
165	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis	IS 2720 (Part 4)
166	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
167	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
168	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 (Part 6)
169	MECHANICAL- SOIL AND ROCK	Soil	swelling pressure of soil	IS 2720 (Part 41)
170	MECHANICAL- SOIL AND ROCK	Soil	unconfined compressive strength	IS 2720 (Part 10)
171	MECHANICAL- SOIL AND ROCK	Soil	Water content	IS 2720 (part 2)
172	MECHANICAL- SOIL AND ROCK	soils	Direct shear test for soils containing gravel	IS 2720 (Part 39 sec 1)
173	MECHANICAL- TEXTILE MATERIALS	Coated fabric	Determination of breaking strength of fabric	IS 7016-2
174	MECHANICAL- TEXTILE MATERIALS	Coated fabric	Determination of elongation of coated fabric	IS-7016-2
175	MECHANICAL- TEXTILE MATERIALS	coated fabric	Determination of length and width of fabric	IS-7016-1
176	MECHANICAL- TEXTILE MATERIALS	Coated fabric	Determination of tear strength of coated fabric	IS-7016-3
177	MECHANICAL- TEXTILE MATERIALS	Coated fabric	Determination of thickness of fabric	IS-7016-1
178	MECHANICAL- TEXTILE MATERIALS	coated fabric	Determination of weight per linear meter	IS 7016-1
179	MECHANICAL- TEXTILE MATERIALS	coated fabric	Determination of weight per square meter	IS-7016-1

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	13 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
180	MECHANICAL- TEXTILE MATERIALS	Fabric	Air permeability of Textile Fabrics	ASTM D 737
181	MECHANICAL- TEXTILE MATERIALS	Fabric	Bursting strength of Textile fabrics-Diphragm Bursting Strength tester method	ASTM D 3786
182	MECHANICAL- TEXTILE MATERIALS	Fabric	Bursting strength of Textile fabrics-Diphragm Bursting Strength tester method	IS 1966-1
183	MECHANICAL- TEXTILE MATERIALS	Fabric	Count of yarn removed from fabric	BTRA/MECH/FAB/IM 01
184	MECHANICAL- TEXTILE MATERIALS	Fabric	Crease recovery angle by measuring Angle of recovery	IS 4681
185	MECHANICAL- TEXTILE MATERIALS	Fabric	Crimp and Count of Yarns	IS 3442
186	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of tear strength of fabric	ASTM D 1424
187	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of tear strength of fabric	IS 6489 Pt 1
188	MECHANICAL- TEXTILE MATERIALS	FABRIC	Determination of tear strength of fabric	IS-6489 Pt 3
189	MECHANICAL- TEXTILE MATERIALS	fabric	Determination of tear strength of fabric	IS-6489 Pt-2
190	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of tear strength of fabric	ISO 13937-1
191	MECHANICAL- TEXTILE MATERIALS	FABRIC	Determination of tear strength of fbric	IS-6489 Pt 4
192	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of thickness of fabric	ASTM D 1777
193	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of thickness of fabric	IS 7702
194	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of thread density in unit length of fabric	IS 1963
195	MECHANICAL- TEXTILE MATERIALS	fabric	Determination of thread density per unit length	ASTM D 3775
196	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of thread density per unit length	BS EN 1049-2
197	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of thread density per unit length	ISO 7211-2

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 14 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
198	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of Weight per square meter and weight per linear meter of fabric	ASTM D 3776 option C
199	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of Weight per square meter and weight per linear meter of fabric	IS 1964
200	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of Weight per square meter and weight per linear meter of fabric	ISO 3801(M5)
201	MECHANICAL- TEXTILE MATERIALS	Fabric	Determination of Width of fabric	ASTM D 3774
202	MECHANICAL- TEXTILE MATERIALS	Fabric	Fabric propensity to surface fuzzing and to pilling--part 2: modified martindale method	ISO 12945-2
203	MECHANICAL- TEXTILE MATERIALS	Fabric	Pilling Resistance and other related surface changes of textile fabrics: Martindale tester	ASTM D 4970
204	MECHANICAL- TEXTILE MATERIALS	Fabric	Pilling Resistance and other related surface changes of textile fabrics: Martindale tester	IS 10971-pt 2
205	MECHANICAL- TEXTILE MATERIALS	Fabric	Pilling resistance -ICI pill box method	IS 10971-1RA
206	MECHANICAL- TEXTILE MATERIALS	Fabric	Pilling resistance -ICI pill box method	ISO 12945-1
207	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to slippage of yarns in woven fabrics using Standard Seam.	ASTM D 434 (w)
208	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to slippage of yarns in woven fabrics using Standard Seam.Slippage at 6 and 6.4mm	ASTM 434(W)
209	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to slippage of yarns in woven fabrics using Standard Seam.Slippage at 6 and 6.4mm	ASTM D 1683
210	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to slippage of yarns in woven fabrics using Standard Seam.Slippage at 6 and 6.4mm	ISO 13936-1

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 15 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
211	MECHANICAL- TEXTILE MATERIALS	Fabric	Standard test method for breaking strength of textile fabrics(strip test)	ASTM D 5035
212	MECHANICAL- TEXTILE MATERIALS	Fabric	Standard test method for the determination of elongation at break in fabrics	ASTM D :5035
213	MECHANICAL- TEXTILE MATERIALS	Fabric	Standard test method for the determination of elongation at break in fabrics	BS EN ISO AND ISO 13934-1
214	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Knitted)	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D 3512
215	MECHANICAL- TEXTILE MATERIALS	Fabric and Technical textiles	Determination of Permeability of textiles to air.	IS 11056
216	MECHANICAL- TEXTILE MATERIALS	Fabric and Technical Textiles	Determination of Trapezoid tear test	ASTM D:5587
217	MECHANICAL- TEXTILE MATERIALS	Fabric and Technical textiles	Standard test method for breaking strength of textile fabrics(grab test)	IS 1969 - Pt 2
218	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textile fabrics.(Martindale Abrasion tester method)	ASTM D 4966 pt 2
219	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textile fabrics.(Martindale Abrasion tester method)	ISO 12947 pt 4
220	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textiles.(Martindale Abrasion tester method)	ASTM D 4966 pt 1
221	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textiles.(Martindale Abrasion tester method)	ASTM D 4966 pt 3
222	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textiles.(Martindale Abrasion tester method)	ISO 12947 pt 2

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 16 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
223	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of abrasion resistance of textiles.(Martindale Abrasion tester method)	ISO 12947 pt 3
224	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of failure in sewn seam and seam efficiency of woven apparel fabrics	ASTM D 1683
225	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of Length &Width of the Fabric	IS:1954
226	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of length of fabric	ASTM d 3773
227	MECHANICAL- TEXTILE MATERIALS	Fabrics	Determination of reistance to the slippage of yarns at seam in woven fabrics: Fixed seam opening method	ISO 13936-1
228	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for breaking strength of textile fabrics(grab test)	ISO :13934-2
229	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for breaking strength of textile fabrics(strip test)	BS EN ISO and ISO :13934-1
230	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for breaking strength of textile fabrics(strip test)	IS 1969-pt 1
231	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for determination of breaking strength(grab test)	ASTM D :5034
232	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for the determination of elongation at break in fabrics	ASTM D 5034
233	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for the determination of elongation at break in fabrics	BS EN ISO and ISO :13934-2
234	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for the determination of elongation at break in fabrics	IS 1969 PT 2
235	MECHANICAL- TEXTILE MATERIALS	Fabrics	Standard test method for the determination of elongation at break in fabrics	IS 1969-PT 1
236	MECHANICAL- TEXTILE MATERIALS	Fabrics and Technical textiles	Single Rip Tear Strength	ASTM D:2261

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	17 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
237	MECHANICAL- TEXTILE MATERIALS	Farbic	Determination of count of yarn removed from fabric	IS 3442
238	MECHANICAL- TEXTILE MATERIALS	fiber	Length of fibre UHML (mm)	ASTM D 5867
239	MECHANICAL- TEXTILE MATERIALS	FIBERS	Micronaire	ASTM: D5867
240	MECHANICAL- TEXTILE MATERIALS	fibre	Tenacity, gf/tex	ASTM D 5867
241	MECHANICAL- TEXTILE MATERIALS	Fibres	Colour grade Rd	ASTM: D5867
242	MECHANICAL- TEXTILE MATERIALS	Fibres	Uniformity index	ASTM D 5867
243	MECHANICAL- TEXTILE MATERIALS	Fibres	2.5% Span length	ASTM D 5867
244	MECHANICAL- TEXTILE MATERIALS	Fibres	colour grade	ASTM: D5867
245	MECHANICAL- TEXTILE MATERIALS	Fibres	Colour grade +b	ASTM: D5867
246	MECHANICAL- TEXTILE MATERIALS	Fibres	Determination of length of man made fibres	ISO 6989
247	MECHANICAL- TEXTILE MATERIALS	Fibres	Elongation	ASTM: D5867
248	MECHANICAL- TEXTILE MATERIALS	Fibres	Length of fibre UHML , mm	ASTM: D5867
249	MECHANICAL- TEXTILE MATERIALS	Fibres	Maturity index	ASTM: D5867
250	MECHANICAL- TEXTILE MATERIALS	Fibres	Short Fiber index (SFI)	ASTM D 5867
251	MECHANICAL- TEXTILE MATERIALS	Geo-membrane	Density	IS 13360 (Part 3/Sec 1)
252	MECHANICAL- TEXTILE MATERIALS	Geo-Membrane	Density	ISO 1183
253	MECHANICAL- TEXTILE MATERIALS	Geocell	Peel and Shear Elongation	IS 17369-1 A and B
254	MECHANICAL- TEXTILE MATERIALS	Geocell	Peel and shear elongation	ISO 13426-1
255	MECHANICAL- TEXTILE MATERIALS	Geocell	Peel and shear strength	IS 17369-1-A and B

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	18 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
256	MECHANICAL- TEXTILE MATERIALS	Geocell	Peel and Shear Strength	ISO 13426-1
257	MECHANICAL- TEXTILE MATERIALS	Geogrid	Single Rib Tensile Elongation	ASTM D 6637
258	MECHANICAL- TEXTILE MATERIALS	Geogrid	Single Rib Tensile Strength	ASTM D 6637-Method A
259	MECHANICAL- TEXTILE MATERIALS	Geomembrane	2% Secant Modulus	ASTM D 5323
260	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Carbon Black Content	ASTM D 1603
261	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Density & Specific Gravity	ASTM D 792 -Method A&B
262	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Index Puncture Resistance	ASTM D 4833
263	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Melt Flow Index	ASTM D1238-Method A
264	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Peel and Shear Elongation	ASTM D6392
265	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Peel and Shear Test	ASTM D6392
266	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Stress Crack Resistance	ASTM D 1693
267	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Tear Resistance	ASTM D 1004
268	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Tensile Elongation	ASTM D 4885
269	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Tensile Strength	ASTM D 6693
270	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Tensile Strength and Elongation	ASTM D 6693
271	MECHANICAL- TEXTILE MATERIALS	Geomembrane	Wide Width Tensile Strength	ASTM D 4885
272	MECHANICAL- TEXTILE MATERIALS	Geosynthetics	Installation Damage	ASTM D5818
273	MECHANICAL- TEXTILE MATERIALS	Geosynthetics	Wide Width Tensile Elongation	IS 16635
274	MECHANICAL- TEXTILE MATERIALS	Geosynthetics	Wide Width Tensile Strength Test	IS 16635

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 19 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
275	MECHANICAL- TEXTILE MATERIALS	Geotextile	Wide width tensile Elongation	ISO 10319
276	MECHANICAL- TEXTILE MATERIALS	Geotextile	Dynamic Perforation (Cone Drop)	ISO 13433
277	MECHANICAL- TEXTILE MATERIALS	Geotextile	Mass Per Unit Area	ASTM D 5261
278	MECHANICAL- TEXTILE MATERIALS	Geotextile	Mass per unit area	ISO 9864
279	MECHANICAL- TEXTILE MATERIALS	Geotextile	Pore size by Capillary Flow method	ASTM D 6767
280	MECHANICAL- TEXTILE MATERIALS	Geotextile	Seam strength of sewn geotextile	ASTM D 4884
281	MECHANICAL- TEXTILE MATERIALS	Geotextile	Static (CBR) Puncture Resistance	ASTM D 6241
282	MECHANICAL- TEXTILE MATERIALS	Geotextile	Static (CBR) Puncture Resistance	ISO 12236
283	MECHANICAL- TEXTILE MATERIALS	Geotextile	Trapezoid Tear Strength	ASTM D 4533
284	MECHANICAL- TEXTILE MATERIALS	Geotextile	Water Permeability by Permittivity method	ASTM D 4491
285	MECHANICAL- TEXTILE MATERIALS	Geotextile	Water Permeabilty	ISO 11058
286	MECHANICAL- TEXTILE MATERIALS	Geotextile	Wide Width Tensile Elongation	ASTM D 4595
287	MECHANICAL- TEXTILE MATERIALS	Geotextile	Wide Width Tensile Strength	ASTM D 4595
288	MECHANICAL- TEXTILE MATERIALS	Geotextile	Wide Width Tensile Strength	ISO 10319
289	MECHANICAL- TEXTILE MATERIALS	Geotextile-Nonwoven	Grab breaking Elongatiom	ASTM D 4632
290	MECHANICAL- TEXTILE MATERIALS	Geotextile-Nonwoven	Grab Breaking Load and Elongation	ASTM D 4632
291	MECHANICAL- TEXTILE MATERIALS	Polyethylene Materials	Carbon Black Content	IS 2530 point 10
292	MECHANICAL- TEXTILE MATERIALS	Polyethylene materials	Carbon Black Content	ISO 13426
293	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of lea count of spun yarns	IS 1315

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	20 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
294	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of lea strength of spun yarns	IS 1671
295	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of single thread elongation at break	ASTM D 2256
296	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of single thread elongation at break	IS 1670
297	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of single thread elongation at break	ISO 2062
298	MECHANICAL- TEXTILE MATERIALS	YARNS	Determination of single thread elongation at breaks	ASTM D 885
299	MECHANICAL- TEXTILE MATERIALS	yarns	Determination of single thread strength	ASTM D 2256
300	MECHANICAL- TEXTILE MATERIALS	YARNS	Determination of single thread strength	ASTM D 885
301	MECHANICAL- TEXTILE MATERIALS	yarns	Determination of single thread Strength	IS 1670
302	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of single thread strength	ISO 2062
303	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarn	ASTM D :1423
304	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarn	IS :832-pt.1
305	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarns	ASTM D :1422
306	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarns	IS :832-pt 2
307	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarns	ISO :2061
308	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of twist in the yarns	ISO: 17202
309	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment	ASTM D :1425
310	MECHANICAL- TEXTILE MATERIALS	yarns	Determination of Unevenness of textile strands using capacitance testing equipment. SH	ISO :16549

SCOPE OF ACCREDITATION

Laboratory Name : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6941 **Page No** 21 of 22

Validity 28/02/2022 to 27/02/2024 **Last Amended on** 21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
311	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: +Thick 50%	ASTM D 1425
312	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing Equipment: Hairiness Index	ASTM D 1425
313	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Hairiness Index	ISO :16549
314	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Neps +200%	ASTM D 1425
315	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Neps +200%	ISO: 16549
316	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Neps +280%	ASTM D 1425
317	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Neps +280%	ISO 16549
318	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: SH	ASTM D 1425
319	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Thick +50%	ISO :16549
320	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: -Thin 50%	ASTM D 1425
321	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: Thin -50%	ISO :16549

SCOPE OF ACCREDITATION

Laboratory Name :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG (L.B.S. MARG), GHATKOPAR (WEST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6941	**Page No**	22 of 22
Validity	28/02/2022 to 27/02/2024	**Last Amended on**	21/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
322	MECHANICAL- TEXTILE MATERIALS	Yarns	Determination of Unevenness of textile strands using capacitance testing equipment: U%	ISO :16549