National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL LABORATORY OF TEXTILES COMMITTEE, TIRUPUR, 8 & 9, THIRU VI KA NAGAR, 1SI STREET, COLLEGE ROAD, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Buttons, Zip & metal accessories	Screening Test for Nickel Release	PD CR 12471
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric, Garments, Made up	Skewness change	AATCC 179
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric, Garments, Made up	Smothness apperance	AATCC 124
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Barium activity number	IS 1689
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Artificial saliva	DIN 53160-1
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Bleaching - Hypochlorite	IS 762
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Bleaching - Hypochlorite	ISO 105 N01
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Dry Cleaning	IS 4802
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Dry cleaning	IS/ISO 105 D01
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to laundering	AATCC 61 -1A
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to laundering	ISO 105 C06
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Perspiration	AATCC 15
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Perspiration	IS/ISO 105 E04
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Rubbing / Crocking	AATCC 8
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to rubbing/crocking	IS/ISO 105 X12
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to washing	IS/ISO 105 C10
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Colour fastness to Water	IS/ISO 105 E01
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Free and Hydrolysed Formaldehyde	ISO 14184-1

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19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Identification of Fibres	AATCC 20
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Identification of fibres	IS 667
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Moisture Content	IS 199
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	pH of Aqueous extract	AATCC TM 81
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	pH of Aqueous extract	ISO 3071
24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	pH of Aqueous extract	IS 1390
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Analysis of Mixture of Fibres	AATCC 20A
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Acrylic, Others:	IS 3421
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Cotton, Viscose	IS 1889-IV
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Poly olefin, Others	IS 9896
29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Polyamide,Others	IS 2005
30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Polyester, Cellulosic Fibres	IS 3416-1
31	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Protien Fibres, Others	IS 2006
32	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Quantitative Chemical Analysis of Mixture of Fibres - Silk, Wool	IS 9889
33	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabric, Garments, Made up	Scouring loss	IS 1383
34	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabric, Garments, Made up	Dimensional Changes for soaking in Water(other than wool woven & knitted	IS 2977

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35	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabric, Garments, Made up	Dimensional Changes to Home Laundering	AATCC 135
36	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabric, Garments, Made up	Presence of Polyvinyl chloride	TC/LAB/TM 16 MSP 7.2 Issue no 5 Dated 01.12.2020
37	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabric, Garments, Made up	Quantitative Analysis of Mixture of Fibres - Physical Separation	TCLAB TM 14 MSP Issue 5 Dated 01.12.2020
38	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Fabric Propensity to Surface fuzzing and to Pilling - Martindale	ISO 12945-2
39	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Fabric Propensity to Surface fuzzing and to Pilling -Pilling box method	ISO 12945-1
40	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Mass per unit area (GSM)	IS 1964
41	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Mass per unit area (GSM)	TC/LAB/TM-03 MSP 7.2 ISSUE 5 DATED 01.12.2020
42	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Mass per unit area (GSM)	ISO 3801-5
43	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Maximum force to seam rupture	ISO 13935-2
44	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Pilling Resistance and other related Surface Changes- Random Tumble Pilling Tester	ASTM D 3512-M
45	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Pilling Resistance and other related Surface Changes- Martindale	ASTM D 4970M
46	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Tearing Strength of Fabrics by falling pendulum method (Elmendorf)	ASTM D 1424
47	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Tearing Strength of Fabrics by falling pendulum method (Elmendorf)	IS 6489-1
48	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Tearing Strength of Fabrics by falling pendulum method (Elmendorf)	ISO 13937-1
49	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) - Appearance Change	ISO 12947-4

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50	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) - Change in Shade or Appearance	ASTM D 4966-2
51	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) - Mass loss	ISO 12947-3
52	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) - Specimen breakdown	ISO 12947-2
53	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) - Yarn breaks	ASTM D 4966-1
54	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Abrasion Resistance (Martindale) -Mass Loss %	ASTM D 4966-3
55	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking elongation Grab	IS 1969-2
56	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking Elongation Ravelled strip	IS 1969-1
57	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking elongation-Grab	ASTM D 5034
58	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking Load - Grab	ISO 13934-2
59	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking Load Grab	IS 1969-2
60	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking load of fabric-Grab	ASTM D 5034
61	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Breaking Load Ravelled strip	IS1969-1
62	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Flammability (inclined plane)	IS 11871
63	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Length and Width of Fabric	IS 1954
64	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Linear density of yarn removed from fabric	TC/LAB/TM-02 MSP 7.2 ISSUE 5 DATED 01-12-2020
65	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Pilling Resistance of fabrics	IS 10971-1
66	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments & Apparel / Made up	Slippage resistance of yarns at a seam in woven fabrics - Fixed Seam Opening method	ISO 13936-1
67	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Breaking Elongation - Ravelled strip	ASTM D 5035

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68	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Breaking Elongation - Ravelled strip	ISO 13934-1
69	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Breaking elongation-Grab	ISO 13934-2
70	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Breaking Load - Ravelled strip	ASTM D 5035
71	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Breaking Load - Ravelled strip	ISO 13934-1
72	MECHANICAL- TEXTILE MATERIALS	Fabric, Garments, Made up	Threads per unit length in Woven fabrics	IS 1963
73	MECHANICAL- TEXTILE MATERIALS	Yarn	Lea strength	IS 1671
74	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear density	ASTM D 1907M
75	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear density	ISO 2060
76	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist :	IS 832-2
77	MECHANICAL- TEXTILE MATERIALS	Yarn	Unevenness of textile strands - Capacitance method (U%)	ISO 16549
78	MECHANICAL- TEXTILE MATERIALS	Yarn	Grading spun Yarns for appearance - Grading	ASTM D 2255M
79	MECHANICAL- TEXTILE MATERIALS	Yarn	Imperfections per Unit length	ISO 16549
80	MECHANICAL- TEXTILE MATERIALS	Yarn	Lea Strengh	ASTM D 1578
81	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear density	IS 1315
82	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist	ASTM D 1422
83	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist	ASTM D1423/D1423M
84	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist	IS 832-1
85	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist	ISO 2061
86	MECHANICAL- TEXTILE MATERIALS	Yarn	Unevenness of textile strands - Capacitance method (U%)	ASTM D1425/D1425 M

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87	MECHANICAL- TEXTILE MATERIALS	Yarn	Yarn Grading spun Yarns for appearance - Index	ASTM D 2255M
88	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Breaking elongation of Single thread	IS 1670
89	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Breaking elongation of Single thread	ISO 2062
90	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Breaking Load of Single thread	IS 1670
91	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Breaking Load of Single thread	ISO 2062
92	MECHANICAL- TEXTILE MATERIALS	Yarn from fabric	Twist of yarn removed from fabric	IS 832-2
93	MECHANICAL- TEXTILE MATERIALS	Yarn from fabric	Twist of yarn removed from fabric	IS 832-1