National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL LABORATORY, TEXTILES COMMITTEE CHENNAI, TNUHDB COMPLEX, 130 R K MUTT ROAD, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 29/04/2022 to 28/04/2024 **Last Amended on** -

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)	Fabric , apparels and madeups	%composition by physical separation	TC/LAB/TM-14 Ver 2
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabric, RMG, Made-up	% composition by physical separation	AATCC-20 A
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics apparels and madeups	Dimensional changes of fabrics (other than Wool) on soaking in water.	IS:2977
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, apparels and madeups	Dimensional changes of fabrics (containing wool) on soaking in water.	IS:665
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn	Moisture Content	IS:199
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarns, fabric apparels and madeups	Quantitative analysis of mixtures (Polyester + Cotton or Polyester +Viscose)	IS:3416 Part 1
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres , yarns apparels	Identification of Fibres	AATCC: TM20: e
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, yarn, fabrics, apparels and madeups	Dimensional changes to home laundering	ISO: 3759 , ISO 5077 E, ISO 6330
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to crocking	AATCC-8
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to dry cleaning	ISO:105 D01
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to laundering : Accelerated	AATCC-61 1A
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to domestic and commercial laundering	ISO:105C06
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to dry cleaning	IS:4802
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to drycleaning	AATCC-132
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to organic solvents	IS:688
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to organic solvents	ISO:105: X05
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Perspiration	AATCC-15

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18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Perspiration	IS/ISO:105 E04
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Perspiration	ISO:105 E04
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to rubbing	IS/ISO 105 X12
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to rubbing	ISO:105: X12
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour Fastness to Washing with soap or with soap & soda	IS/ISO:105 C10
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour Fastness to Washing with soap or with soap & soda	ISO:105 C10
24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Water	AATCC-107
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Water	IS/ISO 105 E01
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Water	ISO:105:E01
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Xenon Arc	AATCC-16-Option 3 e2
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Colour fastness to Xenon Arc Fading Lamp Test	ISO:105:B02
29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	pH of Aqueous Extract	IS 1390
30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	pH of Aqueous Extract	ISO:3071
31	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	pH of the water extract from wet processed textiles.	AATCC-81
32	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (Acrylic + others) DMF Method	IS:3421
33	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (nylon +others)	IS 2005
34	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (nylon +others)	IS:6503
35	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (Polyolefin + others)	IS:9896

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36	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (silk + wool)	IS:9889
37	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres, Yarns , Fabric , apparels and madeups	Quantitative analysis of mixtures (Wool +others)	IS:2006
38	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres,yarn, fabric, apparels and madeup	Quantitative analysis of mixtures (Cotton+viscose)	IS:1889 part 4
39	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres,Yarn, Fabric, Apparels and Madeups	Quantitative Analysis of Binary mixtures of Cotton and Viscose	AATCC-20A
40	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textile Fabrics, Garments, Made up , Yarn	Colour Fastness to Artificial Light (Xenon Lamp)	IS/ISO:105:B02
41	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	yarn,fabric, RMG, Madeup	Identification of fibre	IS:667
42	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn/Fabric/RMG/Non woven/ Madeup	Quantitative analysis of Binary mixtures of Polyester and Cotton	AATCC 20 A
43	MECHANICAL- TEXTILE MATERIALS	Fabric	Breaking load and elongation strip test	ISO:13934-1
44	MECHANICAL- TEXTILE MATERIALS	Fabric	Breaking load and elongation strip test	IS:1969 Part 1
45	MECHANICAL- TEXTILE MATERIALS	Fabric	Lenth of Woven fabric	ASTM D3773 M-10
46	MECHANICAL- TEXTILE MATERIALS	Fabric	Tear Strength (Elmendorf)	ASTM D1424 09
47	MECHANICAL- TEXTILE MATERIALS	Fabric	Tear Strength (Elmendorf)	IS:6489-1
48	MECHANICAL- TEXTILE MATERIALS	Fabric	Tear Strength (Elmendorf)	ISO: 13937-1
49	MECHANICAL- TEXTILE MATERIALS	Fabric	Width of textile fabric	ASTM D3774
50	MECHANICAL- TEXTILE MATERIALS	Fabric / Garment / Made up	Abrasion Resistance (Martindale)	ISO 12947-1,2,3,4
51	MECHANICAL- TEXTILE MATERIALS	Fabric / apparel / Madeup	Linear density of yarn removed from fabric	TC/LAB-TM-02 Ver.02
52	MECHANICAL- TEXTILE MATERIALS	Fabric / Apparel / Made up / Technical Textiles	Abrasion Resistance (Martindale)	ASTM D 4966-12
53	MECHANICAL- TEXTILE MATERIALS	Fabric / Apparel / madeup	Threads per unit length in woven fabrics	IS:1963

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54	MECHANICAL- TEXTILE MATERIALS	Fabric / apparel / madeup	Threads per unit length in woven fabric	ISO7211-2
55	MECHANICAL- TEXTILE MATERIALS	Fabric / apparel/ madeup	Twist of yarn removed from fabric	ISO:7211-4
56	MECHANICAL- TEXTILE MATERIALS	Fabric / Garment/ Madeup	Pilling Resistance of fabrics (Box Type)	IS:10971- Part-1
57	MECHANICAL- TEXTILE MATERIALS	Fabric / RMG / Made up	Twist of Yarn removed from fabric- Direct counting method	IS 832 PART-1
58	MECHANICAL- TEXTILE MATERIALS	Fabric / RMG / Madeup	Twist of Yarn removed from fabric- Single spun yarn	IS 832 PART-2
59	MECHANICAL- TEXTILE MATERIALS	fabric, RMG, made-up	Pilling Resistance of fabric Box Type	ISO12945-2
60	MECHANICAL- TEXTILE MATERIALS	Fabric/ Apparel / Made up	Pilling Resistance (Martindale) Surface Changes	ASTM D4970/4970 M
61	MECHANICAL- TEXTILE MATERIALS	Fabric/ apparel/ made up /carpets	Mass per unit length / Mass per unit area	IS:1964
62	MECHANICAL- TEXTILE MATERIALS	Fabric/ apparel/ made up /carpets	Length and Width of the fabric	IS:1954
63	MECHANICAL- TEXTILE MATERIALS	Fabric/ apparel/ made up /carpets	Mass per unit length / Mass per unit area	ISO 3801
64	MECHANICAL- TEXTILE MATERIALS	Fabric/ apparel/ made up /carpets	Mass per unit length / Mass per unit area	TC/LAB-TM-03 VER.02
65	MECHANICAL- TEXTILE MATERIALS	Yarn	Lea Strength	IS:1671
66	MECHANICAL- TEXTILE MATERIALS	Yarn	Lea Strength	ISO:6939:
67	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear Density	IS:1315
68	MECHANICAL- TEXTILE MATERIALS	Yarn	Single thread strength - Force	ISO:2062
69	MECHANICAL- TEXTILE MATERIALS	yarn	Single thread strength - Elongation %	IS:1670
70	MECHANICAL- TEXTILE MATERIALS	yarn	Single Thread Strength-Elongation%	ISO 2062
71	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Twist in yarn and direction of twist for Single spun yarn	IS:832 Part 2
72	MECHANICAL- TEXTILE MATERIALS	Yarn / Chord	Determination of Twist in Yarn - Direct counting method	IS 832 PART-1

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73	MECHANICAL- TEXTILE MATERIALS	yarns	Linear Density of yarn	ISO:2060
74	MECHANICAL- TEXTILE MATERIALS	Yarns & Chords	Strength and Elongation of single strand - Force	IS:1670