



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name LABORATORY, TEXTILES COMMITTEE, MUMBAI, P.BALU ROAD, PRABHADEVI CHOWK, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5305 Page No. : 1 / 16

Validity 16/05/2019 to 15/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Fabrics, Garments & made ups	Amount of Formaldehyde released	ISO 14184- 2: 2011	15 mg/kg to 1000 mg/kg
2	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Fabrics, Garments & made ups	Amount of Formaldehyde released	AATCC 112: 2014	15 mg/kg to 1000 mg/kg
3	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Fabrics, Garments & made ups	Amount of Free & Hydrolyzed Formaldehyde extracted	ISO 14184-1: 2011	15 mg/kg to 1000 mg/kg
4	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Fabrics, Garments & made ups	Free & total formaldehyde	SFS 4996: 1987	15 mg/kg to 1000 mg/kg
5	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Fabrics, Garments & made ups	Free & total formaldehyde	JISL 1041: 1983	15 mg/kg to 1000 mg/kg
6	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	MetalAccessories for garments (Alloys and coatings)	Nickel release screening test	CR 12471: 2002	Qualitative((Detected/Not Detected))
7	CHEMICAL-POLLUTION & ENVIRONMENT	Pollution & Environment- Waste water (Effluent)	Chemical Oxygen Demand (COD)	IS 3025 (Part 58): 2006	5 to 2500
8	CHEMICAL-POLLUTION & ENVIRONMENT	Pollution & Environment- Waste water (Effluent)	Measurement of Bio chemical Oxygen Demand (BOD)	IS 3025 (Part 44): 1993	2 to 1000



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9	CHEMICAL- POLLUTION & ENVIRONMENT	Pollution & Environment- Waste water (Effluent)	Non-filterable residue (Total suspended solids)	IS 3025 (Part-17): 1984	1 to 200
10	CHEMICAL- POLLUTION & ENVIRONMENT	Pollution & Environment- Waste water (Effluent)	Oil & Grease by partition gravimetric method	IS 3025 (Part-39): 1991 RA 2004	2 to 100
11	CHEMICAL- POLLUTION & ENVIRONMENT	Pollution & Environment-Waste water (Effluent)	Determination of Dissolved Oxygen (DO)	IS 3025 (Part-38): 1989	0 to 13
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Light (Xenon Arc Lamp)	ISO 105 B02: 2014	Qualitative(Class 1 to 8)
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Light (Xenon Arc Lamp)	AATCC 16.3 : 2014	Qualitative(Grade 1 to 5)
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Light (Xenon Arc Lamp)	IS 2454: 1985	Qualitative(Grade 1 to 5)
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Water	IS /ISO 105-E01: 2010	Qualitative(Grade 1 to 5)
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Water	ISO 105- E01: 2013	Qualitative(Grade 1 to 5)
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Water	AATCC 107: 2013	Qualitative(Grade 1 to 5)
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Colour fastness to Water	IS 767: 1988	Qualitative(Grade 1 to 5)



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39	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to perspiration	JISL 0848: 1996	Qualitative(Grade 1 to 5)
40	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to perspiration	IS 971: 1983	Qualitative(Grade 1 to 5)
41	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to rubbing	IS 766: 1988	Qualitative(Grade 1 to 5)
42	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to rubbing	ISO 105 X12: 2016	Qualitative(Grade 1 to 5)
43	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to washing with soap or soap and soda	IS/ISO 105 C10: 2006	Qualitative(Grade 1 to 5)
44	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to washing with soap or soap and soda	BSEN 20105-C10: 2007	Qualitative(Grade 1 to 5)
45	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to washing with soap or soap and soda	ISO 105 C10: 2006	Qualitative(Grade 1 to 5)
46	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Identification of Textiles fibres	AATCC 20 : 2013	Qualitative
47	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Identification of Textiles fibres	IS 667: 1981	Qualitative
48	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres:	AATCC 20A : 2018	0.1 % to 100 %



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49	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Acrylic + Others	IS 3421: 1988	0.1 % to 100 %
50	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Nylon + Others	IS 6503: 1988	0.1 % to 100 %
51	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Nylon + Others	IS 2005: 1988	0.1 % to 100 %
52	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Polyester + Cotton	IS 3416 (Part I): 1988	0.1 % to 100 %
53	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Polyester + Viscose	IS 3416 (Part I): 1988	0.1 % to 100 %
54	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Polyolefin + others	IS 9896: 1981	0.1 % to 100 %
55	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Silk & wool	IS 9889: 1988	0.1 % to 100 %
56	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Wool + Others	IS 2006: 1988	0.1 % to 100 %
57	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Quantitative chemical analysis of mixtures of fibres: Cotton + Viscose	IS 1889 (Part4) : 1979	0.1 % to 100 %



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79	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Abrasion Resistance of textile fabric (Martindale method): Determination of mass loss	ISO 12947- 3: 1998	Qualitative(Weight loss upto 50%)
80	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of fabric propensity to surface fuzzing and to pilling (Pilling Box method)	BSEN ISO-12945-1: 2001	Qualitative((Grade 1 to 5))
81	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of fabric propensity to surface fuzzing and to pilling (Pilling Box method)	ISO-12945-1: 2000	Qualitative((Grade 1 to 5))
82	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of fabric propensity to surface fuzzing and to pilling (Pilling Box method)	IS 10971 – 1: 2011	Qualitative((Grade 1 to 5))
83	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of flammability and flame resistance to textile fabrics (Inclined)	IS 11871 (Method B): 1986	1 to 300
84	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of flammability and flame resistance to textile fabrics (Vertical)	IS 11871 (Method A): 1986	0 cm to 31.5 cm
85	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of flammability and flame resistance to textile fabrics (Vertical)	IS 11871 (Method A): 1986	1 to 300



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86	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of the slippage resistance of yarns at a seam in woven fabrics -Part 1: Fixed seam opening method	ISO 13936-1: 2004	10 N to 8000 N
87	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of the slippage resistance of yarns at a seam in woven fabrics -Part 2: Fixed load method	ISO 13936-2: 2004	10 N to 8000 N
88	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Tearing Strength of fabric by falling pendulum (Elmendorf)	ASTM D 1424: 2009	3 N to 50 N
89	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Tearing strength of fabric by tongue (single rib)	ASTM D 2261: 2013	5 N to 80 N
90	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of recovery from creasing of textile by measuring the angle of recovery	IS 4681: 1981	20 to 180
91	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Determination of stiffness of fabrics	IS 6490: 1971	1 cm to 8 cm
92	MECHANICAL-TEXTILE MATERIALS	Fabric / Garments / Made-ups	Tearing Strength of fabric by falling pendulum (Elmendorf)	ISO: 13937 -1: 2000	3 N to 50 N
93	MECHANICAL-TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of length and width of woven fabric	ASTM D: 3774: 1996	1 cm (width) to 250 cm (width)



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94	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of length and width of woven fabric	IS 1954: 1990	1 cm (Width) to 250 cm (Width)
95	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of length and width of woven fabric	ASTM D: 3773: 2010	1 cm (width) to 250 cm (width)
96	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of mass per unit length and mass per unit area of fabric	BSEN 12127: 1998	10 to 6000
97	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of mass per unit length and mass per unit area of fabric	ASTM D: 3776: 2009	10 to 6000
98	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of mass per unit length and mass per unit area of fabric	IS 1964: 2001	10 to 6000
99	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of mass per unit length and mass per unit area of fabric	ISO 3801: 1977	10 to 6000
100	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments / Made-ups	Determination of mass per unit length and mass per unit area of fabric	TC/ LAB TM-03: 2001	10 to 6000
101	MECHANICAL- TEXTILE MATERIALS	Fabric/ Garments /Made up	Linear density of Thread removed from fabric	TC/ LAB TM-02: 2001	5 Tex to 600 Tex



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130	MECHANICAL-TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread	ASTM D:2256: 2010	20 cN to 8000 N
131	MECHANICAL-TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread	IS 1670: 1991	20 cN to 8000 N
132	MECHANICAL-TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread- Elongation	IS 1670: 1991	1 to 50 %
133	MECHANICAL-TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread- Elongation	ISO: 2062: 2009	1 % to 50 %
134	MECHANICAL-TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread- Elongation	ASTM D: 2256: 2010	1 % to 50 %
135	MECHANICAL-TEXTILE MATERIALS	Yarns	Determination of Linear density of yarns spun on cotton system	IS 1315: 1977	1 to 130
136	MECHANICAL-TEXTILE MATERIALS	Yarns	Determination of twist in yarnPart 1: Direct counting method	IS 832 (Part 1): 2011	1 TPI to 60 TPI
137	MECHANICAL-TEXTILE MATERIALS	Yarns	Determination of twist in yarnPart 1: Direct counting method	ISO 2061: 2015	1 TPI to 60 TPI
138	MECHANICAL-TEXTILE MATERIALS	Yarns	Determination of twist in yarnPart 1: Direct counting method	ASTM D: 1422: 2013	1 TPI to 60 TPI



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139	MECHANICAL- TEXTILE MATERIALS	Yarns	Imperfections per unit Length	ISO 16549: 2004	1 to 9999