National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECOLOGICAL LABORATORIES PVT. LTD., NO.10, V.K.R.THOTTAM, 1ST STREET, B.S.SUNDARAM ROAD, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/06/2022 to 15/06/2024 **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)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Appearance of fabrics, garments and made-ups	ECO IHM 04
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Binary Mixtures of Viscose or Modal Blended with Cotton	IS 1889-4
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Chemical Analysis of Mixtures of Acrylic, Certain modacrylics with certain other fibres	IS 3421
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Color fastness of zipper tapes to crocking	ASTM D 2054
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness of textile materials to rubbing	IS/ISO 105-X12
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness of textile materials to sea water	IS 690
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to articles for common use- Test with artificial saliva	DIN 53160-1
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to articles for common use- Test with artificial sweat	DIN 53160-2
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to crocking: Crockmeter method	AATCC 8
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour Fastness to domestic and commercial Laundering	IS 13025
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to dry cleaning	AATCC 132
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour Fastness to Dry Cleaning	IS 4802
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to laundering : Accelerated	AATCC 61:
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to perspiration	AATCC 15
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour Fastness to Washing Colour fastness to domestic and commercial laundering	ISO 105 C06
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to water	AATCC 107
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Colour fastness to water : sea	AATCC 106

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18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Determination of textile fiber	IS 667
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Dimensional change in washing and drying	ISO 5077
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Dimensional Change on Soaking in Water	IS 2977
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Fiber Analysis	AATCC 20
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Fiber Analysis	AATCC 20A
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Fiber composition Textiles-Mixture of acrylic, certain mod acrylics, certain chlorofibers, certain elastanes and certain other fibres (Method using Formaldehyde)	ISO 1833-12
24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Measuring twisting /torque/seam shift/spirality in textiles after washing/laundering /dry-cleaning	ECO IHM 02
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	pH of the Water-Extract from Wet Processed Textiles	AATCC 81
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	pH value of aqueous extracts of textile materials	IS 1390
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional Change	IS 10099
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Quantitative analysis of ternary mixtures of Protein fibres, nylon 6 or 6.6 and certain other fibres	IS 6503
29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Quantitative chemical analysis of Binary Mixtures of Polyester fibre with cotton or regenerated cellulose	IS 3416
30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Quantitative Chemical analysis of mixtures of Polyolefin fibres with certain other fibres	IS 9896

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31	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textile – Determination of spirality after laundering	ISO 16322-1
32	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textile – Determination of spirality after laundering part 2: Woven and knitted fabrics	ISO 16322-2
33	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textile – Determination of spirality after laundering part 3: Woven and knitted Garments	ISO 16322-3
34	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textile- Domestic washing and drying procedures for textiles testing	IS 15370
35	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles — Determination of pH of aqueous extract	ISO 3071
36	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Domestic washing and drying procedure for textile testing	ISO 6330
37	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change	ISO 3759
38	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 11: Mixture of cellulose and polyester fibres (method using sulphuric acid)	ISO 1833-11
39	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 18 : Mixture of silk and wool or hair (method using sulphuric acid)	ISO 1833-18
40	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 24: Mixture of polyester and certain other fibres (method using phenol and Tetrachloroethane)	ISO 1833-24
41	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 4 Mixtures of certain protein and certain other fibre (method using hypochlorite)	ISO 1833-4

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42	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 5: Mixture of viscose, cupro or modal and cotton fibres (Method using sodium zincate)	ISO 1833-5
43	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis –Part 7 : Mixtures of polyamide and certain other fibres (method using formic acid)	ISO 1833-7
44	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis–Part 1: General principles of testing Method of quantitative analysis by manual separation	ISO 1833-1
45	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Quantitative chemical analysis–part 2: Ternary fibre mixtures	ISO 1833-2
46	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part D01: Colour fastness to dry-cleaning using perchloroethylene solvent.	ISO 105 D01
47	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part E01: Colour fastness to water	IS/ISO 105 E01
48	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part E01: Colour fastness to water	ISO 105 E01
49	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part E04: Colour fastness to perspiration	IS/ISO 105 E04
50	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part E04: Colour fastness to perspiration	ISO 105 E04
51	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Textiles- Tests for colour fastness –Part X12: Colour fastness to rubbing	ISO 105 X12
52	MECHANICAL- TEXTILE MATERIALS	Textiles (Fabrics, Garments, Made-up Yarn) and Related Products	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D 4970/ D4970M
53	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	End (Warp) and Pick (Filling) Count of Woven Fabrics	ASTM D3775

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54	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Length of Woven Fabrics	IS 1954
55	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Mass Per Unit Area (Weight) of Fabric	ASTM D3776/D3776M
56	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Resistance to pilling and change of appearance of fabrics- Pilling Box Method	BS 5811
57	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textile fabrics - Determination of mass per unit area using small samples	DIN EN 12127
58	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles – Determination of Fabric propensity to surface fuzzing and to pilling –Part-1: Pilling box method	IS 10971-1
59	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 4: Assessment of pilling, fuzzing and matting by visual analysis	ISO 12945- 4
60	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles – Determination of Fabric propensity to surface pilling, fuzzing or matting Part-2 : Modified Martindale Method	ISO 12945-2
61	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles - Woven fabric construction –Methods of analysis – Part 2 Determination of number of threads per unit length	ISO 7211-2
62	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles — Woven fabrics — Determination of mass per unit length and mass per unit area	ISO 3801:Method 5
63	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles- Determination of Fabric propensity to surface pilling, fuzzing or matting Part-1: Pilling box method	ISO 12945-1
64	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles- Determination of Fabric propensity to surface fuzzing and to pilling-Part-2 : Modified Martindale Method	IS 10971-2

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65	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Textiles- Fabrics Determination of mass per unit area using small samples	BS EN 12127
66	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Threads per Unit Length in Woven Fabrics	IS 1963
67	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Wale and Course Count of Weft Knitted Fabrics	ASTM D8007
68	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Weft knitted fabric construction	ASTM D 3887
69	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Weft knitted fabric construction	BS 5441:1988 Clause 9 +A1
70	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Width of Textile Fabric	ASTM D3774
71	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Width of Woven Fabrics	IS 1954
72	MECHANICAL- TEXTILE MATERIALS	Textiles: Fabric/ Garment	Yarn number based on short length specimen	ECO IHM-01
73	MECHANICAL- TEXTILE MATERIALS	Woven/ Knitted/ Nonwoven Garments & Apparel	Safety of children's clothing — Cords and drawstrings on children's clothing — Specifications	BS EN 14682