National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SITRA POWERLOOM SERVICE CENTRE, 1/1, SANARPALAYAM ROAD, ERODE MAIN ROAD, SURIYAMPALAYAM POST, TIRUCHENGODE, NAMAKKAL, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/05/2023 to 23/05/2025 **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)	Yarn, Fabric, Apparels, Garments, Made-ups, Terry Fabrics & Its Products	Colour Fastness to Rubbing	IS/ISO 105-X12
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabric, Apparels, Garments, Made-ups, Terry Fabrics & Its Products	Colour Fastness to Washing with Soap or Soap and Soda	IS/ISO 105 (Part C10)
3	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Warp	ASTM D5034
4	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Warp	IS 1969 (Part 2)
5	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Warp	ISO 13934-2
6	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Weft	ASTM D5034
7	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Weft	IS 1969 (Part 2)
8	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Grab Method) - Weft	ISO 13934-2
9	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Warp	ASTM D5035
10	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Warp	IS 1969 (Part 1)
11	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Warp	ISO 13934-1
12	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Weft	ASTM D5035
13	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Weft	IS 1969 (Part 1)
14	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Breaking Strength (Strip Method) - Weft	ISO 13934-1
15	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Count of Yarn Removed from Fabrics - Average Count of Warp	IS 3442
16	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Count of Yarn Removed from Fabrics - Average Count of Weft	IS 3442
17	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Crimp of Yarn Removed From Fabrics - Warp	IS 3442

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18	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Crimp of Yarn Removed From Fabrics - Weft	IS 3442
19	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Warp	ASTM D5034
20	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Warp	IS 1969 (Part 2)
21	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Warp	ISO 13934-2
22	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Weft	ASTM D5034
23	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Weft	IS 1969 (Part 2)
24	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Grab Method) - Weft	ISO 13934-2
25	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Warp	ASTM D5035
26	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Warp	IS 1969 (Part 1)
27	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Warp	ISO 13934-1
28	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Weft	ASTM D5035
29	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Weft	IS 1969 (Part 1)
30	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Elongation at Break (Strip Method) - Weft	ISO 13934-1
31	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	End and Pick Count of Woven Fabrics - Average Number of Ends per Inch	ASTM D3775
32	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	End and Pick Count of Woven Fabrics - Average Number of Picks per Inch	ASTM D3775
33	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Mass Per Unit Area (Weight)	ASTM D3776/D3776 M (Option C)
34	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Mass Per Unite Area (Weight)	IS 1964
35	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Tear Force Using Ballistic Pendulum Method (Elmendorf) - Warp	IS 6489 (Part 1)

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36	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Tear Force Using Ballistic Pendulum Method (Elmendorf) - Weft	IS 6489 (Part 1)
37	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Tearing Strength by Falling - Pendulum (Elmendorf - Type) Apparatus - Warp	ASTM D1424
38	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Tearing Strength by Falling- Pendulum (Elmendorf-Type) Apparatus - Weft	ASTM D1424
39	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Threads per Unit Length in Woven Fabrics - Number of Warp Threads per dm	IS 1963
40	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Threads per Unit Length in Woven Fabrics - Number of Weft Threads per dm	IS 1963
41	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Yarn Crimp and Yarn Take-up in Woven Fabrics - Average Crimp % in Weft	ASTM D3883
42	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Yarn Crimp and Yarn Take-up in Woven Fabrics - Average Crimp % in Warp	ASTM D3883
43	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Yarn Number Based on Short - Length Specimens - Average Count of Warp	SITRA/PLSC/FP/01/20.09.2022
44	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments/Made-ups	Yarn Number Based on Short - Length Specimens - Average Count of Weft	SITRA/PLSC/FP/01/20.09.2022
45	MECHANICAL- TEXTILE MATERIALS	Yarn	Breaking Strength in Skein Form	ASTM D1578
46	MECHANICAL- TEXTILE MATERIALS	Yarn	Elongation at Break by the Single - Strand Method	ASTM D2256/D2256 M
47	MECHANICAL- TEXTILE MATERIALS	Yarn	Elongation at Break by the Single - Strand Method	SITRA/PLSC/YP/01/20.09.2022
48	MECHANICAL- TEXTILE MATERIALS	Yarn	Evenness of Textile Strands using Capacitance Testing Equipment - Neps(+200%)	ASTM D1425/D1425 M
49	MECHANICAL- TEXTILE MATERIALS	Yarn	Evenness of Textile Strands using Capacitance Testing Equipment - Neps(+280%)	ASTM D1425/D1425 M

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50	MECHANICAL- TEXTILE MATERIALS	Yarn	Evenness of Textile Strands using Capacitance Testing Equipment - Thick(+50%)	ASTM D1425/D1425 M
51	MECHANICAL- TEXTILE MATERIALS	Yarn	Evenness of Textile Strands using Capacitance Testing Equipment - Thin (-50%)	ASTM D1425/D1425 M
52	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear Density (Yarn Number) by the Skein Method	ASTM D1907/D1907M
53	MECHANICAL- TEXTILE MATERIALS	Yarn	Tensile Strength by the Single-Strand Method	ASTM D2256/D2256 M
54	MECHANICAL- TEXTILE MATERIALS	Yarn	Tensile Strength by the Single-Strand Method	SITRA/PLSC/YP/01/20.09.2022
55	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist in Single Spun Yarns by the Untwist-Retwist Method	ASTM D1422/D1422 M
56	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist in Yarns by Direct - Counting	ASTM D1423/D1423M
57	MECHANICAL- TEXTILE MATERIALS	Yarn/Sliver/Roving	Evenness of Textile Strands using Capacitance Testing Equipment - CVm%	ASTM D1425/D1425 M
58	MECHANICAL- TEXTILE MATERIALS	Yarn/Sliver/Roving	Evenness of Textile Strands using Capacitance Testing Equipment - U%	ASTM D1425/D1425 M