



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name ICAR-CENTRAL INSTITUTE FOR RESEARCH ON COTTON TECHNOLOGY,
ADENWALA ROAD, MATUNGA (EAST), MUMBAI, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6904 Page No. : 1 / 3

Validity 02/03/2020 to 01/03/2022 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	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Colour Fastness to Washing	IS/ISO 105 C10: 2006 Reaffirmed: 2017	Qualitative(Grade 1 to Grade 5)
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre/Yarn/Fabric	Scouring loss in Grey and Finished Cotton Textile Material	IS:1383:1977 Reaffirmed: 2017	0.2 to 50
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	Colour Fastness to Perspiration	IS/ISO 105 E04:2008 Reaffirmed: 2019	Qualitative(Grade 1 to Grade 5)
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	Fastness to Artificial Light (Xenon Lamp)	IS/ISO 105 B02: 2014: 2014	Qualitative(Standard Rating 1 to 8)
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	Fastness to Artificial Light (Xenon Lamp)	AATCC 16.3:2014: 2014	Qualitative(Grade 1 to Grade 5)
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	Identification of Textile Fibres	IS: 667:1981 Reaffirmed: 2017	Qualitative
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	pH Value	IS:1390: 2019	1 to 12
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibres/Yarn/Fabric	Quantitative Chemical Analysis of Mixture of Polyester Fibres with Cotton or Regenerated Cellulose	IS:3416:1988 Reaffirmed: 2017	1 % to 100 %



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9	MECHANICAL- TEXTILE MATERIALS	Fabric	Length and Width of material	IS 1954: 1990 Reaffirmed: 2017	10 cm to 500 cm
10	MECHANICAL- TEXTILE MATERIALS	Fabrics	Breaking Strength (Raveled Strip)	IS 1969: (Part 1) 2009 Reaffirmed: 2014	5 Kg to 500 Kg
11	MECHANICAL- TEXTILE MATERIALS	Fabrics	Dimensional Changes (Other Than Wool)	IS 2977:1989 Reaffirmed: 2016	-0.25 % to 25 %
12	MECHANICAL- TEXTILE MATERIALS	Fabrics	Linear Density of Yarn Removed From Fabric	IS: 3442 1980 Reaffirmed: 2018	2 Ne to 160 Ne
13	MECHANICAL- TEXTILE MATERIALS	Fabrics	Threads per Unit Length in Woven Fabrics	IS: 1963: 1981 Reaffirmed: 2014	40 dm to 600 dm
14	MECHANICAL- TEXTILE MATERIALS	Fabrics	Weight per Square Meter/Linear Meter of Fabrics	IS 1964: 2001 Reaffirmed : 2011	30 g / m ² to 1000 g / m ²
15	MECHANICAL- TEXTILE MATERIALS	Fabrics	Weight per Square Meter/Linear Meter of Fabrics	ASTM D3776: 2010	10 g / m ² to 250 g / m ²
16	MECHANICAL- TEXTILE MATERIALS	Fibres	2.5 % Span Length	ASTM D5867: 2012	19 mm to 40 mm
17	MECHANICAL- TEXTILE MATERIALS	Fibres	Length Uniformity (UR)	ASTM 5867: 2012: 2012	40 % to 60 %
18	MECHANICAL- TEXTILE MATERIALS	Fibres	Micronaire	ASTM 5867: 2012: 2012	2 μ gram / inch to 8 μ gram / inch
19	MECHANICAL- TEXTILE MATERIALS	Fibres	Tenacity of Cotton Fibres	ASTM 5867:2012: 2012	15 g/tex (ICC mode) to 50 g/tex (ICC mode)



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20	MECHANICAL- TEXTILE MATERIALS	Fibres	Trash Content of Cotton (Gravimetric Trash Analysis)	IS: 4871: 1968: 2018	0.2 % to 30 %
21	MECHANICAL- TEXTILE MATERIALS	Yarns	Imperfection per Unit Length in Yarn (per Km): Thin Places	ASTM D 1425-2009: 2014	0 to 5000
22	MECHANICAL- TEXTILE MATERIALS	Yarns	Imperfections per Unit Length in Yarn (per km)	ASTM D 1425-2009: 2014	0 Neps to 5000 Neps
23	MECHANICAL- TEXTILE MATERIALS	Yarns	Imperfections per Unit Length in Yarn (per Km): Thick Places	ASTM D 1425-2009: 2014	0 to 5000
24	MECHANICAL- TEXTILE MATERIALS	Yarns	Lea Strength Parameter of Yarn	IS:1671:1977 Reaffirmed: 2018	50 lbs to 490 lbs
25	MECHANICAL- TEXTILE MATERIALS	Yarns	Linear Density of Yarn (Count)	IS: 1315: 1977 reaffirmed : 2018	2 Ne to 160 Ne
26	MECHANICAL- TEXTILE MATERIALS	Yarns	Twist in Yarn (TPI)	IS: 832 (Part 1) Reaffirmed: 2017	2 TPI to 60 TPI
27	MECHANICAL- TEXTILE MATERIALS	Yarns	Unevenness of Textile Strand (U)	ASTM D1425: 2014: 2014	5 U% to 30 U%