National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NORTHERN INDIA TEXTILE RESEARCH ASSOCIATION, SECTOR 23, RAJ NAGAR, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8045 **Page No** 1 of 18

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 08/10/2021

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- LEATHER	Finished leather, Leather accessories, Leather products, Semi-finished leather, Synthetic leather	pH	IS:582
2	CHEMICAL- LEATHER	Finished leather, Leather accessories, Leather products, Semi-finished leather, Synthetic leather	Volatile matter %	IS:582
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Ash Content	IS:199
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Burning behavior of bedding items Part 2 - Specified test methods for the ignitability by a smouldering cigratte	IS 15727 (Pt 2)
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Clothing and equipment for protection against heat - test method for convective heat resistance using a hot air circulating oven (Shrinkage/Elongation)	ISO 17493
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Colour Fastness to Crocking/Rubbing	AATCC-8
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Colour Fastness to Crocking/Rubbing	IS:766
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Colour Fastness to Crocking/Rubbing	ISO-105-X12

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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
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Colour fastness to Dry cleaning	ISO:105 D01
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords	Colour Fastness to Light/Fade Resistance	AATCC-16.3
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to Dry cleaning	AATCC:132
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to Dry cleaning	IS:4802
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to laundering	AATCC-61
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Laundering	ISO-105-C06
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Light/Fade Resistance	IS:2454

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16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Light/Fade Resistance	ISO:105-B02
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Perspiration	AATCC-15
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Perspiration	IS:971
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Perspiration	ISO-105-E04
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to sea water	AATCC:106
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to sea water	EN:ISO:105 E02
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to sea water	IS:690

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23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to washing	IS/ISO 105-C10
24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour fastness to washing	ISO 105-C10
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Water	AATCC-107
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Water	EN:ISO:105-E01
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Colour Fastness to Water	IS:767
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Deterioration of visibility due to smoke	UIC 564-2 (3rd edition) Appendix 15
29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of behavior of materials on impact of small splashes of molten metal (No. of drops to raise the temp. by 40 degree C)	ISO 9150

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30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of burning bahaviour by oxygen index, Ambient temperature test	IS:13501
31	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of burning behaviour by oxygen index, Ambient temperature test	ISO:4589-2
32	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Contact Heat transmission through protective clothing or constituent materials - Pt 1: Test method using contact heat produced by heating cylinder (time to raise temp. by 10 degree C)	ISO 12127-1
33	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Flammability and Flame resistance of Textile Fabrics (After flame/After glow/Extent of glow))	ASTM D 6413
34	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Flammability and Flame resistance of Textile Fabrics (Char length)	ASTM D 6413
35	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Flammability and Flame resistance of Textile Fabrics Method A (After flame/After glow/Extent of glow)	IS:11871
36	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Flammability and Flame resistance of Textile Fabrics Method A (Char length)	IS:11871

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37	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Determination of Flammability and Flame resistance of Textile Fabrics Method B	IS 11871
38	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Dimensional Change after home laundering	AATCC-135
39	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Dimensional Change after home laundering	ISO:6330
40	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Electrostatic properties - Pt 1: Test method for measurement of surface resistivity, Pt 2: Test method for measurement of electrical resistance through a material (Vertical resistance)	EN 1149-2
41	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Electrostatic properties - Pt.1: Test method for measurement of surface resistivity, Pt 2: Test method for measurement of electrical resistance through a material (Vertical resistance)	EN 1149-1
42	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre Content/Blend Composition	AATCC-20A
43	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre Content/Blend Composition	BS:4407

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44	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre Content/Blend Composition	IS:2005
45	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre Content/Blend Composition	IS:2006
46	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre Content/Blend Composition	IS:3416 (Part I, II)
47	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre identification	AATCC-20
48	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fibre identification	IS:667
49	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Fire resistance test	UIC 564-2 (3rd edition) Appendix 5
50	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Flammability of Mattresses and Mattresses Pads	16 CFR 1632

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51	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Free Formaldehyde	ISO 14184.1
52	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Heat shrinkage	IS:11248-C
53	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Method of determining of heat transmission on exposure to flame (time taken to raise temp. by 24 degree C)	IS 15758 (Pt 1)
54	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Method of determining of heat transmission on exposure to flame (time taken to raise temp. by 24 degree C)	ISO 9151
55	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Moisture Content	IS:199
56	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	pH value of aqueous extract	AATCC-81
57	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	pH value of aqueous extract (Cold & Hot)	IS:1390

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58	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of materials and material assemblies when exposed to a source of radiant heat (Radiant heat transfer index (RHTI) at 24 degree C)	IS:15758 (Part 2)
59	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of materials and material assemblies when exposed to a source of radiant heat (Radiant heat transfer index (RHTI) at 24 degree C)	ISO:6942
60	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of resistance of materials to molten metal splash	IS:15758 (Part 5)
61	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of resistance of materials to molten metal splash	IS:15758 (Part 5)
62	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of resistance of materials to molten metal splash	ISO:9185
63	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Assessment of resistance of materials to molten metal splash	ISO:9185
64	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Protection against heat and flame - Method of test for limited flame spread Method A (After flame/After glow)	ISO:15025 (Method -A)

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65	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Protection against heat and flame - Method of test for limited flame spread Method B (After flame/After glow)	ISO:15025
66	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Protective clothing - Protection against heat and flame - Method of test for limited flame spread Method B (After flame/After glow)	ISO:15025 (Method-B)
67	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Relaxation Shrinkage	IS:2977
68	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity co-ordinates and luminance factor Section 7.2)	BS EN ISO 20471
69	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity co-ordinates and luminance factor Section 7.2)	BS EN ISO 20471
70	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity co-ordinates and luminance factor Section 7.2)	BS EN ISO 20471
71	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specification of High-visibility warning clothing (excluding wet retero-reflective performance) (Coefficient of retroreflection (cd/lx.m2) Section 7.3) (x direction)	BN EN ISO 20471

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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
72	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specification of High-visibility warning clothing (excluding wet retero-reflective performance) (Coefficient of retroreflection (cd/lxm2) Section 7.3) (y direction)	BN EN ISO 20471
73	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Specified test methods for assessing the ignitability of upholstered assemblies when subjected to a lighted match	BS 5852 (Source 1)
74	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Test for assessing the ignitability of upholstered seating when subjected to a smouldering cigratte	BS 5852 (Source 0)
75	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textile Fabrics - Burning behavior - Measurement of Flame spread properties of vertically oriented specimens (Time taken for severance of marker threads: 1st, 2nd, 3rd marker thread)	IS:15590
76	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textile Fabrics - Burning behavior - Measurement of Flame spread properties of vertically oriented specimens (Time taken for severance of marker threads: 1st, 2nd and 3rd marker thread)	ISO:6941
77	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textile Fabrics - Burning behaviour - Determination of Ease of Ignition of vertically oriented specimens (Mean Ignition time)	IS 15589
78	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textile Fabrics - Burning behaviour - Determination of Ease of Ignition of vertically oriented specimens (Mean Ignition time)	ISO 6940

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79	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Mean ignition time)	IS:15612 (Part 3)
80	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Time taken for severance of marker threads 1st, 2nd, 3rd marker thread)	IS:15590
81	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Mean ignition time)	IS:15589
82	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Time taken for severance of marker threads 1st, 2nd, 3rd marker thread)	IS:15590
83	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Time taken for severance of marker threads 1st, 2nd, 3rd marker thread)	IS:15612 (Part 2)
84	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Burning behaviour of curtains and drapes (Time taken for severance of marker threads 1st, 2nd, 3rd marker thread)	IS:15612 (Pat 4)
85	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Protective Clothing - Test method for Limited Flame spread Method A (After flame/After glow)	IS:15758 (Part 4)

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86	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Textiles - Protective Clothing - Test method for Limited Flame spread Method B (After flame/After glow)	IS:15758 (Part 4)
87	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Toxicity Index Test	NCD 1409
88	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Agro-textiles; Automotive textiles; Carpets & rugs; Domestic textiles; Fibre & filaments; Finished fabric; Garments & Apparels; Geo-textiles; Grey fabrics; Industrial textiles; Made-ups; Medical textile; Packaging textiles; Protective textiles; Sports textiles; Technical textiles; Terry towel & products; Yarns & chords.	Water Soluble Matter	IS:3456
89	CHEMICAL- WATER	Industrial Water	Total Hardness	APHA 23rd Edition 2340 C
90	CHEMICAL- WATER	Drinking water	Chlorides	APHA 4500 Cl-B-Argentometric method, 23rd Edition
91	CHEMICAL- WATER	Drinking water	Iron	APHA /3500-Fe-B-Phenanthrolene method, 23rd Edition
92	CHEMICAL- WATER	Drinking water	pH value	APHA / 4500-H+B-Electrometric Method ,23rd Edition
93	CHEMICAL- WATER	Drinking water	Sulfates	APHA / 4500-So4-E-Turbidimetric method, 23rd Edition
94	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	APHA / 2540 C-At 1800C ,23rd Edition
95	CHEMICAL- WATER	Drinking water	Total Hardness	APHA / 2340 C-EDTA Titrimetric method ,23rd Edition
96	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand	APHA 23rd Edition 5210 B
97	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand	APHA 23rd Edition 5220 B
98	CHEMICAL- WATER	Industrial Water	Chlorides	APHA 23rd Edition 4500 Cl-B
99	CHEMICAL- WATER	Industrial Water	Iron	APHA 23rd Edition 3500-Fe B
100	CHEMICAL- WATER	Industrial Water	Oil & Grease	APHA 23rd Edition 5520 B
101	CHEMICAL- WATER	Industrial Water	pH value	APHA 23rd Edition 4500-H+ B

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102	CHEMICAL- WATER	Industrial Water	Sulfates	APHA 23rd Edition 4500-SO4-E
103	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
104	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA 23rd Edition 2540 D
105	MECHANICAL- LEATHER AND LEATHER PRODUCTS	Leather	Elongation at break, %	IS:5914 LP-6
106	MECHANICAL- LEATHER AND LEATHER PRODUCTS	Leather	Tensile Strength	IS:5914 LP-6
107	MECHANICAL- LEATHER AND LEATHER PRODUCTS	Leather	Thickness	IS:5914 LP-1
108	MECHANICAL- TEXTILE MATERIALS	coverall & fabric	Clothing for protection against contact with blood and body fluids — Determination of the resistance of protective clothing materials to penetration by blood and body fluids — Test method using synthetic blood (Procedure A,B,C & D)	ISO16603
109	MECHANICAL- TEXTILE MATERIALS	Fabric	Bursting Strength	IS:1966 Part 1
110	MECHANICAL- TEXTILE MATERIALS	Fabric	Elongation at break (Warp)	IS:1969 Part 1
111	MECHANICAL- TEXTILE MATERIALS	Fabric	Elongation at break (Weft)	IS:1969 Part 1
112	MECHANICAL- TEXTILE MATERIALS	Fabric	Ends/Picks (Ends)	IS:1963
113	MECHANICAL- TEXTILE MATERIALS	Fabric	Ends/Picks (Picks)	IS:1963
114	MECHANICAL- TEXTILE MATERIALS	Fabric	Hydrostatic Head Test	IS:7016 Pt VII
115	MECHANICAL- TEXTILE MATERIALS	Fabric	Hydrostatic Head Test	ISO 20811
116	MECHANICAL- TEXTILE MATERIALS	Fabric	Mass per unit area/Mass per unit length (Method A)	IS:1964
117	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to Pilling (Martindale Method)	ASTM D 4970/D 4970M
118	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to Pilling (Martindale Method)	IS:10971 Pt 2

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119	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to Pilling (Martindale Method)	ISO 12945-2
120	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to Pilling (Pill Box Method)	IS:10971 Pt 1
121	MECHANICAL- TEXTILE MATERIALS	Fabric	Resistance to Pilling (Pill Box Method)	ISO 12945-1
122	MECHANICAL- TEXTILE MATERIALS	Fabric	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity Co-ordinates and luminance factor clause 5.3.1.1 (Table 4) ß	IS:15809
123	MECHANICAL- TEXTILE MATERIALS	Fabric	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity Co-ordinates and luminance factor clause 5.3.1.1 (Table 4) x	IS:15809
124	MECHANICAL- TEXTILE MATERIALS	Fabric	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Chromaticity Co-ordinates and luminance factor clause 5.3.1.1 (Table 4) y	IS:15809
125	MECHANICAL- TEXTILE MATERIALS	Fabric	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Coefficient of retroreflection (cd/lxm2) Clause 5.4.1 (Tabe 2) y direction	IS:15809
126	MECHANICAL- TEXTILE MATERIALS	Fabric	Specification for High-visibility warning clothing (excluding wet retero-reflective performance) (Coefficient of retroreflection (cd/lxm2) Clause 5.4.1 (Table 2) x direction	IS:15809
127	MECHANICAL- TEXTILE MATERIALS	Fabric	Tear Strength (Warp)	IS:6489 Part 1

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128	MECHANICAL- TEXTILE MATERIALS	Fabric	Tear Strength (Weft)	IS:6489 Part 1
129	MECHANICAL- TEXTILE MATERIALS	Fabric	Tensile Strength (Warp)	IS:1969 Part 1
130	MECHANICAL- TEXTILE MATERIALS	Fabric	Tensile Strength (Weft)	IS:1969 Part 1
131	MECHANICAL- TEXTILE MATERIALS	Fabric	Thickness	IS:7702
132	MECHANICAL- TEXTILE MATERIALS	Fabric	UV Resistance Test (Retention of breaking strength after UV exposure- Cross machine direction)	IS:14887 Annex C
133	MECHANICAL- TEXTILE MATERIALS	Fabric	UV Resistance Test (Retention of breaking strength after UV exposure- Machine direction and cross machine direction)	ISO 4892-3
134	MECHANICAL- TEXTILE MATERIALS	Fabric	UV Resistance Test (Retention of breaking strength after UV exposure- Machine direction)	IS:14887 Annex C
135	MECHANICAL- TEXTILE MATERIALS	Fabric	Water Absorption	IS:392
136	MECHANICAL- TEXTILE MATERIALS	Fabric	Water Penetration	IS:392
137	MECHANICAL- TEXTILE MATERIALS	Fabric	Width	IS:1954
138	MECHANICAL- TEXTILE MATERIALS	Fabric and Coveralls	Clothing For Protection Against Contact With Blood And Body Fluids - Determination Of The Resistance Of Protective Clothing Materials To Penetration By Blood And Body Fluids - Test Method Using Synthetic Blood (Procedure A,B,C & D)	IS 16546
139	MECHANICAL- TEXTILE MATERIALS	Fabric and Coveralls	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood(Procedure A & B)	ASTM F 1670/F1670M-17a
140	MECHANICAL- TEXTILE MATERIALS	Fiber	Cotton Fineness (Micronair value)	IS:3674

SCOPE OF ACCREDITATION

Laboratory Name : NORTHERN INDIA TEXTILE RESEARCH ASSOCIATION, SECTOR 23, RAJ NAGAR, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/10/2021 to 03/10/2023 **Last Amended on** 08/10/2021

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
141	MECHANICAL- TEXTILE MATERIALS	Fiber	Cotton Fineness (Micronaire value)	ASTM D-5867
142	MECHANICAL- TEXTILE MATERIALS	Fiber	Diameter (Wool Fiber)	IS:744
143	MECHANICAL- TEXTILE MATERIALS	Fiber	Elongation (Cotton)	ASTM D-5867
144	MECHANICAL- TEXTILE MATERIALS	Fiber	Fiber Denier (Manmade Fiber)	ASTM D-1577
145	MECHANICAL- TEXTILE MATERIALS	Fiber	Fiber Denier (Manmade Fiber)	IS:10014 Pt-2 Amdt 1, 2 and 3
146	MECHANICAL- TEXTILE MATERIALS	Fiber	Fiber Length (Manmade Fiber)	BISFA
147	MECHANICAL- TEXTILE MATERIALS	Fiber	Fiber Length (Manmade Fiber)	IS:10014 Pt-1 Amdt 1
148	MECHANICAL- TEXTILE MATERIALS	Fiber	Fiber Tenacity (Manmade Fiber)	ASTM D-3822/D3822M-14
149	MECHANICAL- TEXTILE MATERIALS	Fiber	Length (Cotton)	ASTM D-5867
150	MECHANICAL- TEXTILE MATERIALS	Fiber	Length (Cotton)	IS:233 (Part 4) Amdt 1 & 2
151	MECHANICAL- TEXTILE MATERIALS	Fiber	Maturity coefficient (Cotton)	IS:236
152	MECHANICAL- TEXTILE MATERIALS	Fiber	Maturity coefficient (Cotton) (Mature fibre)	IS:236
153	MECHANICAL- TEXTILE MATERIALS	Fiber	Maturity coefficient (Cotton) (Half Mature fibre)	IS:236
154	MECHANICAL- TEXTILE MATERIALS	Fiber	Maturity coefficient (Cotton) (Immature fibre)	IS:236
155	MECHANICAL- TEXTILE MATERIALS	Fiber	Strength (Cotton)	ASTM D-5867
156	MECHANICAL- TEXTILE MATERIALS	Fiber	Strength (Cotton)	IS:3675 Amdt. 1 & 2
157	MECHANICAL- TEXTILE MATERIALS	Fiber	Trash (Cotton)	IS:4871
158	MECHANICAL- TEXTILE MATERIALS	Fiber	Uniformity Ratio (Cotton)	ASTM D-5867
159	MECHANICAL- TEXTILE MATERIALS	Fiber	Uniformity Ratio (Cotton)	IS:233 (Part 4) Amdt 1 & 2

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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
160	MECHANICAL- TEXTILE MATERIALS	Protective Textiles & Technical Textiles	Impact resistance against throwing and/or striking object with edge (Block) - Deformation depth	VPAM KDIW
161	MECHANICAL- TEXTILE MATERIALS	Protective Textiles & Technical Textiles	Stab resistance - knife(Blade) Penetration depth	VPAM KDIW
162	MECHANICAL- TEXTILE MATERIALS	Protective Textiles & Technical Textiles	Stab resistance - nail (spike) Penetration / puncture depth	VPAM KDIW
163	MECHANICAL- TEXTILE MATERIALS	Protective Textiles & Technical Textiles	Stab resistance - Needle (injection canola) - Penetration / Puncture depth	VPAM KDIW
164	MECHANICAL- TEXTILE MATERIALS	Yarn	Lea Strength	IS:1671
165	MECHANICAL- TEXTILE MATERIALS	Yarn	Linear density	IS:1315 Amdt 1
166	MECHANICAL- TEXTILE MATERIALS	Yarn	Single Thread Elongation (Gauge length: 500mm)	ASTM D 2256/D 2256M
167	MECHANICAL- TEXTILE MATERIALS	Yarn	Single Thread Elongation (Gauge length: 500mm)	IS:1670
168	MECHANICAL- TEXTILE MATERIALS	Yarn	Single Thread Strength	ASTM D-2256/D-2256M
169	MECHANICAL- TEXTILE MATERIALS	Yarn	Single Thread Strength	IS:1670
170	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Double Yarn	ASTM D 1423/D 1423 M
171	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Double Yarn	IS:832 Pt 1
172	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Double Yarn	ISO 2061
173	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Single Yarn	ASTM D-1422/1422M
174	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Single Yarn	IS:832 Pt 2
175	MECHANICAL- TEXTILE MATERIALS	Yarn	Twist of Single Yarn	ISO 2061
176	MECHANICAL- TEXTILE MATERIALS	Yarn	Un-evenness	ASTM D-1425/1425M