



(A Constituent Board of Quality Council of India)



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
		Ре	rmanent 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/N ot 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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19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & made ups	Determination of Dimensional Changes on soaking in water	IS: 2977: 1989	-20 % to 20 %
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made- ups	Dimensional Changes of fabrics after home laundering	ISO 6330 (B): 2012	-20 % to 20 %
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made- ups	Dimensional Changes of fabrics after home laundering	AATCC 135: 2018	-20 % to 20 %
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Colour fastness of textiles to saliva and perspiration	IS 15626: 2006	Qualitative(Grade 1 to 5)
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Determining the water repellency of fabrics by water spray test	IS: 390: 1975	Qualitative((0 to 100))
24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Dimensional Changes on soaking in water	IS 665: 1989	-20 % to 20 %
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Identification of dyesi) Cotton and other cellulosic fibres	IS 4472 (Part 1): 1967	Qualitative
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Identification of dyesii) Wool silk and other protein fibres	IS 4472 (Part-2) : 1968	Qualitative
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Identification of dyesiii) Manmade fibres	IS 4472 (Part-3): 1973	Qualitative
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Water repellency of fabrics by cone test	IS: 7941: 1976	0 ml to 350 ml





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29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Water repellency of fabrics by water spray test	AATCC 22: 2017	Qualitative((0 to 100))
30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Water soluble matter of textile material	IS: 3456: 1966	0.1 % to 20 %
31	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Garments & Made-ups	Wettability of cotton fabrics	IS: 2349: 1963	0.01 s to 480 s
32	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Banned azo colourants in coloured textiles	IS 15570: 2005	1 mg/kg to 1000 mg/kg
33	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to Crocking	AATCC 8: 2016	Qualitative(Grade 1 to 5)
34	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to organic solvents	ISO 105 X05: 1994	Qualitative(Grade 1 to 5)
35	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to organic solvents	IS 688: 1988	Qualitative(Grade 1 to 5)
36	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to perspiration	ISO 105 EO4: 2013	Qualitative(Grade 1 to 5)
37	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to perspiration	IS /ISO 105-E04: 2008	Qualitative(Grade 1 to 5)
38	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fibre, Yarn, Fabrics, Garments & Made-ups	Colour fastness to perspiration	DIN EN ISO 105 EO4: 1996	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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58	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabrics, Garments & Made-ups	pH value of aqueous extracts of textiles material	DIN EN 1413: 1998	1 to 14
59	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabrics, Garments & Made-ups	pH value of aqueous extracts of textiles material	ISO 3071: 2005	1 to 14
60	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabrics, Garments & Made-ups	pH value of aqueous extracts of textiles material	AATCC- 81: 2016	1 to 14
61	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Yarn, Fabrics, Garments & Made-ups	pH value of aqueous extracts of textiles material	IS: 1390: 1983	1 to 14
62	CHEMICAL- WATER	Water from different sources	Chemical Oxygen Demand (COD)	IS 3025 (Part 58): : 2006	5 to 2500
63	CHEMICAL- WATER	Water from different sources	Conductivity	ISO 3696: 1987	0.3 to 1999
64	CHEMICAL- WATER	Water from different sources	Determination of Dissolved Oxygen (DO)	IS 3025 (Part-38): : 1989	0 to 14
65	CHEMICAL- WATER	Water from different sources	Measurement of Bio chemical Oxygen Demand (BOD)	IS 3025 (Part 44): : 1993	2 to 1000
66	CHEMICAL- WATER	water from different sources	Non-filterable residue (Total suspended solids)	IS 3025 (Part-17):: 1984	1 to 200
67	CHEMICAL- WATER	Water from different sources	Oxidisible matter	ISO 3696: 1987	Qualitative
68	CHEMICAL- WATER	Water from different sources	рН	ISO 3696: 1987	1 to 14
69	CHEMICAL- WATER	Water from different sources	Residue after evaporation at 110ºC	ISO 3696: 1987	0.25 to 5





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70	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	Determination of cotton fibre maturity by Sodium Hydroxide swelling method	IS 236: 1968	25 % to 100
71	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	Determination of lint and trash content of cotton	IS 4871: 1968	1 % to 20 %
72	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	HVI and ICC mode- Strength	ASTM D: 5867: 2012	10 g/Tex to 50
73	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	HVI and ICC mode- Length uniformity	ASTM D: 5867: 2012	14 % to 60 %
74	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	HVI and ICC mode- Length	ASTM D: 5867: 2012	14 mm to 40 mm
75	MECHANICAL- TEXTILE MATERIALS	Cotton fibre	HVI and ICC mode- Micronaire	ASTM D: 5867: 2012	2 to 8
76	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments / Made-ups	Abrasion Resistance of textile fabric (Martindale method)	ASTM D: 4966: 2012	Qualitative((10 to 99999 movements) or (Weight loss upto 50%))
77	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments / Made-ups	Abrasion Resistance of textile fabric (Martindale method)	ISO 12947- 2: 1998	10 Rubs to 99999 Rubs
78	MECHANICAL- TEXTILE MATERIALS	Fabric / Garments / Made-ups	Abrasion Resistance of textile fabric (Martindale method): Assessment of appearance change	ISO 12947- 4: 1998	Qualitative(Grade 1 to 5)





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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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102	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics	ASTM D: 5034 (Grab): 2009	20 N to 8000 N
103	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics	ISO 13934-2 (Grab): 2014	20 N to 8000 N
104	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics	IS 1969 (Part 1): 2010	20 N to 8000 N
105	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics	ASTM D: 5035 (Strip): 2011	20 N to 8000 N
106	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	ISO 13934-2 (Grab): 2014	1 % to 50 %
107	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics-(Grab)	IS 1969 (Part 2) (Grab): 2010	20 N to 8000 N
108	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics-(Strip)	ISO 13934-1: 2014	20 N to 8000 N
109	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	ASTM D: 5035 (Strip): 2011	1 % to 50 %
110	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	IS 1969 (Part 1): 2010	1 to 50 %





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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
111	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	ISO 13934-1 (Strip): 2014	1 % to 50 %
112	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	IS 1969 (Part 2): 2010	1 % to 50 %
113	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Breaking strength / force and elongation of textile fabrics- Elongation	ASTM D: 5034 (Grab): 2009	1 % to 50 %
114	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Determination of twist of yarn removed from fabric	IS 832: 1985	1 TPI to 60 TPI
115	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Determination of twist of yarn removed from fabric	ASTM D: 1422: 2013	1 TPI to 60 TPI
116	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments / Made-ups	Determination of twist of yarn removed from fabric	ISO 7211-4 : 1984	1 TPI to 60 TPI
117	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments /Made-ups	Determination of threads per unit length in woven fabrics	IS 1963: 1981	100 to 1000 /dm
118	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments /Made-ups	Determination of threads per unit length in woven fabrics	BSEN 1049-2: 1994	100 /dm to 1000 /dm
119	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments /Made-ups	Determination of threads per unit length in woven fabrics	ISO 7211-2 : 1984	100 /dm to 1000 /dm





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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
120	MECHANICAL- TEXTILE MATERIALS	Fabric/Garments /Made-ups	Determination of threads per unit length in woven fabrics	ASTM D: 3775: 2012	100 /dm to 1000 /dm
121	MECHANICAL- TEXTILE MATERIALS	Fibres	Physical Properties of Raw Cotton-Colour	ASTM D: 5867: 2012	Qualitative
122	MECHANICAL- TEXTILE MATERIALS	Fibres	Physical Properties of Raw Cotton-Short Fibre Index	ASTM D: 5867: 2012	Qualitative
123	MECHANICAL- TEXTILE MATERIALS	Fibres, Yarn	Estimation of moisture content	IS 199: 1989	0 % to 90 %
124	MECHANICAL- TEXTILE MATERIALS	Wool fibre	Determination of wool fibre diameter (projection method)	IS 744: 2000	10 to 100
125	MECHANICAL- TEXTILE MATERIALS	Yarn	Determination of yarn strength parameters of yarns spun on cotton system	IS 1671: 1977	20 N to 8000 N
126	MECHANICAL- TEXTILE MATERIALS	Yarn	Part 2: Untwist/Re-twist method for single spun yarn	IS 832 (Part 2): 2011	1 TPI to 60 TPI
127	MECHANICAL- TEXTILE MATERIALS	Yarn	Part 2: Untwist/Re-twist method for single spun yarn	ASTM D: 1423: 2002	1 TPI to 60 TPI
128	MECHANICAL- TEXTILE MATERIALS	Yarn	Unevenness of Textile strand using capacitance method	ISO 16549: 2004	1 % to 40 %
129	MECHANICAL- TEXTILE MATERIALS	Yarn & Chords	Breaking Load and elongation at break of single thread	ISO: 2062: 2009	20 to 8000





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