

Laboratory Regional Laboratory, Textiles Committee, Platinum Centre, Fort Road, Cannanore, Kerala

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5597

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Validity 08.05.2017 to 07.05.2019

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	TEXTILE (WOVEN & NON WOVEN)			
1.	Fibres, Yarn	Moisture content	IS 199	Upto 50 %
2.	Textiles	Identification of fibres	IS 667 AATCC 20	Qualitative
		Quantitative analysis of mixtures:	AATCC 20 A IS 9889 (Silk & wool)	0.1 % to 100 %
			IS 1889 (Part-4) (Cotton + Viscose)	
			IS 6503& IS 2005 (Nylon + Others)	
			IS 2006(Wool + Others)	
			IS 3416- part I (Polyester + Cotton) (Polyester + Viscose)	
			IS 3421 (Acrylic + Others) - DMF method	
			IS 9896 (Polyolefin + others)	
		Colour fastness to washing Test I	IS / ISO 105 C10 BS EN 20105-C01 ISO 105 C10	Qualitative Grade 1 to 5
		Test II	IS/ISO 105 C10 BS EN 20105-C02 ISO 105 C10	Qualitative Grade 1 to 5
		Test III	IS/ISO 105 C10 BS EN 20105-C03 ISO 105 C10	Qualitative Grade 1 to 5
		Test IV	IS/ISO 105 C10 BS EN 20105-C04 ISO 105 C10	Qualitative Grade 1 to 5

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Convenor

N. Venkateswaran
Program Director

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		Test V	IS/ISO 105 C10 BS EN 20105-C05 ISO 105 C10	Qualitative Grade 1 to 5
		Colour fastness to commercial laundering	BS EN 105-C06 AATCC 61-1A ISO105-C06	Qualitative Grade 1 to 5
		Colour fastness to dry cleaning	IS 4802 ISO-105-D01 AATCC-132	Qualitative Grade 1 to 5
		Colour fastness to organic solvents	IS 688 ISO 105 X05	Qualitative Grade 1 to 5
		Colour fastness to rubbing/crocking	IS 766 ISO 105 X12 AATCC 8	Qualitative Grade 1 to 5
		Colour fastness to perspiration	IS 971 BS EN ISO 105 E04 ISO 105 E04	Qualitative Grade 1 to 5
		Colour fastness to Water	IS 767 ISO 105- E01 AATCC 107 BSEN ISO 105-E01	Qualitative Grade 1 to 5
3.	Fabrics, Garments & Madeups	% Composition by physical separation	TC/LAB-TM-14 AATCC 20 A	0.1 to 100%
		Dimensional Changes (for various categories of fabrics)	IS: 2977 (other than wool woven & knitted)	0.6 % to 50 %
		pH of aqueous extracts	IS: 1390, ISO 3071 AATCC- 81	1 to 14
		Free Formaldehyde	BSEN ISO 14184-1 JISL 1041, ISO 14184- 2011	Upto 1000 mg/kg
		Absorbency of bleached cotton	AATCC 79	Upto 300 seconds
		Water soluble matter	IS: 3456	Upto 40 %
		Scouring loss %	IS 1383	Upto 20 %

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MECHANICAL TESTING

I. TEXTILE MATERIALS				
1.	Yarn	Linear density	IS 1315	4.54 tex to 590.5 tex
		Lea Strength	IS 1671	80 N to 2200 N
		Twist in yarn	IS 832 ASTM D: 1422 ASTM D: 1423 ISO 2061	400TPM to 2300 TPM
		Grading cotton yarns for appearance	ASTM D: 2255	Grade A+ to Below D
2.	Yarn & Chords	Breaking Load and elongation at break of single thread	IS 1670 ASTM D: 2256M ISO: 2062	Strength: 1 N to 90 N Elongation: 5 % to 100 %
3.	Fabric/RMG/ Made up	Threads per unit length in woven fabrics	IS 1963 ASTM D: 3775 ISO 7211-2 BSEN 1049-2	390/ dm to 1000 / dm
		Twist of yarn removed from fabric	IS 832 ASTM D: 1422 ASTM D: 1423 ISO 2061	1 TPM to 2300 TPM
		Breaking Load and elongation - strip method	IS 1969 ASTM D: 5035 ISO 13934-1 BSEN ISO 13934-1	Strength: 100N to 2000 N Elongation: 1 % to 50%
		Linear density of Thread removed from fabric	TC/ LAB TM-02	4.54 tex to 590.5 tex
4.	Fabric/ Made up	Mass per square meter/ Linear meter fabrics (Weighing Method)	IS 1964 ISO 3801 BSEN 12127 ASTM D: 3776-M-09a	25 g to 1500 g

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