

Laboratory	The Synthetic and Art Silk Mills Research Association (Sasmira), Sasmira Marg, Worli, Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	27.11.2015
Certificate Number	T-0762	Valid Until	26.11.2017
Last Amended on	-	Page	1 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	TEXTILE & TEXTILE AUXILIARIES			
1.	Fibre / Yarn / Fabric	Textile Fibers identification.	IS 667: 1981 (RA 2003) AATCC 20: 2013	Qualitative
		Composition of Binary Mixture of Protein Fibre With Certain Other Non-Protein Fibres (Method Based on Clean Dry Mass)	IS 2006: 1988 (RA 2004) AATCC 20 A: 2014 ISO 1833 (Part 4): 2006	3 % to 100 %
		Composition of Binary Mixture of Regenerated Cellulose and Cotton (Method Based on Clean Dry Mass)	IS 1889 (Part 4): 1979, Sulphuric acid method (RA 2005) AATCC 20 A: 2014	3 % to 100 %
		Composition of Binary Mixture of Polyester Fibre With Cotton and Regenerated Cellulose (Method Based on Clean Dry Mass)	IS 3416 (Part 1): 2008 AATCC 20 A: 2014 ISO 1833 (Part 11): 2006	3 % to 100 %
		pH Value of Aqueous Extract of Textile Materials	IS 1390: 1983 (RA 2004) AATCC 81: 2012 ISO 3071: 2005	1 to 14
		Colorfastness of Textile Materials to Artificial Light (Xenon Lamp) Rating on Blue Wool Scale	IS 2454: 1985 (RA 2006) ISO 105 BO2: 2014 AATCC -16: 3: 2012	Blue Wool Qualitative (Rating 1 to 8) Grey scale Qualitative (Rating 1 to 5)
		Colorfastness of Textile Materials to Perspiration (Acidic & Alkaline)	IS 971: 1983 ISO 105-E04: 2013 (RA 2004) AATCC 15: 2013(acidic only)	Qualitative (Rating 1 to 5)

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Last Amended on	-	Page	2 of 4

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	Fibre / Yarn / Fabric	Color Fastness of textile materials to dry-Heat (Staining on Adjacent Fabric)	IS 4636: 1988 (RA 2004)	Qualitative (Rating 1 to 5)
		Moisture Content	ASTM D 2495: 2007 (RA 2012)	0.1 % to 20%
2.	Yarn / Fabric	Colorfastness to washing	AATCC 61:2013 (1A) IS/ISO 105 C10: 2006	Qualitative (Rating 1 to 5)
		Class of Dyes identification on textiles material (cotton and other cellulosic fibers)	IS 4472 (Part 1): 1967	Qualitative test
		Class of Dyes identification on Textiles Material Wool , Silk and Other Protein Fibers	IS 4472 (Part 2): 1968	Qualitative test
		Class of Dyes identification on Textiles Material Man Made Fibers	IS 4472 (Part 3): 1973	Qualitative test
		Moisture content ,Total Size Or Finish , Ash and Fatty Matters on Grey and Finished Cotton Textiles Materials	IS 199: 1989 (RA 2005)	Moisture content 0.5 % to 20 % Ash content 0.1 % to 10 %
		Color Fastness to Saliva	DIN 53160-1: 2010	Qualitative (Rating 1 to 5)
		Color Fastness to Rubbing With Organic Solvent	IS 3426: 1982 (RA 2004)	Qualitative (Rating 1 to 5)

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Last Amended on	-	Page	3 of 4

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3.	Fabric	Water Repellency of Fabrics By Cone Test	IS 7941: 1976 (RA 2004)	i) Amount of water penetrated /water collected in ml 1 ml to 400 ml ii) Amount of wetting of the outer surface visual observation using standard photograph as guidelines
		Water Repellency of Fabrics By Water Spray Test	IS 390: 1975 (RA 2003) AATCC 22: 2014	Qualitative (Rating 0 to 100)
		Rubbing / Crocking Fastness of Textile Materials (Dry and Wet)	IS 766: 1988 (RA 2004) ISO 105 x-12: 2001 AATCC 8: 2013	Qualitative (Rating 1 to 5)
		Colorfastness to Water	IS 767: 1988 (RA 2004) ISO 105 :E01: 2013 AATCC 107: 2013	Qualitative (Rating 1 to 5)
		Colorfastness to Sea Water	IS 690: 1988 (RA 2004) ISO 105 EO2: 2013 AATCC 106: 2013	Qualitative (Rating 1 to 5)
		Colorfastness to Organic Solvent	IS 688: 1988 (RA 2004) ISO 105-X 05: 1994	Qualitative (Rating 1 to 5)
		Dimensional Changes on Soaking in Water	IS 2977: 1989 (RA 2005)	(-)20 % to 20 %
		Flammability	ASTM D 1230: 2010	1s to 60s
		Whiteness of Textiles	AATCC 110: 2011	80 to 200

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Last Amended on	-	Page	4 of 4

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	Fabric	Dimensional Changes in Washing and Drying	ISO 5077: 2007 ISO 6330: 2012 ISO 3759: 2011	(-)20 % to 20 %
		Color Fastness to Dry-Cleaning	ISO 105 DO1: 2010	(Qualitative (Rating 1 to 5)
		Water Repellency of Fabric by Bundasmann Rain Shower Test.	ISO 9865: 1991 (RA 2011)	(Qualitative (Rating 1 to 5) 1 g to 150 g (For absorption)
		Soil Release : Oily Stain Release Method	AATCC 130 :2010	Qualitative (Grades 1 to 5)
		Flammability By Oxygen Index	IS 13501: 1992 (RA 2013)	6 % to 70 %
		Flammability and Flame Resistance of Textiles Fabric	IS 11871: 1986 RA 2004, Method A ASTM D 6413: 2015	After flame time 1 s to 50 s
		Flammability and Flame Resistance	IS 11871: 1986 (RA 2004) Method B	1 s to 10 s
		Burning Behavior –Ease of Ignition of Vertically Oriented Specimen	ISO 6940: 2004 IS 15589: 2005	Ignition time 1 s to 20 s
		Burning Behavior – Flame Spread Time of Vertically Oriented Specimen	ISO 6941: 2003 IS 15590: 2005	1 s to 60 s

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