Shivmalhar Laboratories, A Division of Shivmalhar Technologies Pvt. Ltd., Plot No. 96, Perfect Co-Operative Housing Society, Pannase Laboratory

Nagar, Bhamti, Nagpur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Page 1 of 2 **Certificate Number** TC-8079

Validity 03.11.2018 to 02.11.2020 Last Amended on --

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

CHEMICAL TESTING

I.	TEXTILE (WOVEN 8	& NON WOVEN)		
1.	Finished Fabric, Apparel/Garment,	Identification of Textiles Fibers	IS 667	Qualitative
	Made Ups	Analysis of binary mixtures of protein fibres with certain other non- protein fibres	IS 2006	1 % to 100 %
		Analysis of binary mixtures of polyester fiber with cotton or regenerated cellulose	IS 3416	1 % to 100 %
		Analysis of textiles binary mixture of acrylics and certain other fibers methods	IS 3421	1 % to 100 %
		Colour fastness of textiles materials to water	IS 767	Qualitative (Grade 1 to 5)
		Colour fastness of textiles materials to rubbing	IS 766	Qualitative (Grade 1 to 5)
		Colour fastness of textiles materials to Perspiration	IS 971	Qualitative (Grade 1 to 5)
		Colour fastness to washing with soap or soda	IS/ISO 105 (Part C-10)	Qualitative (Grade 1 to 5)
		pH of Aqueous Extracts of fixative materials	IS 1390	1 to 14

Nitin Gupta	
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MECHANICAL TESTING

I.	TEXTILE MATERIA	LS		
1.	Yarns	Breaking load and elongation of single strand	IS 1670	5 N to 450 N
		Linear density of yarns spun on cotton system	IS 1315	10 ^s Ne to 80 ^s Ne
		Yarn strength (spun on cotton system)	IS 1671	10 N to 2000 N
2.	Woven Fabric	Twist in yarn	IS 832	5 twist/inch to 50 twist/inch
		Length & width of woven fabrics	IS 1954	10 cm to 200 cm
		Threads per unit length in woven fabric	IS 1963	10 threads/inch to 125 threads/inch
		Tear resistance by the falling pendulum method	IS 6489	320 gm to 5400 gm
		Creasing recovery angle	IS 4681	15° TO 360°
		Pilling resistance of fabrics	IS 10971	Qualitative (Grade 1 to 5)
		Stiffness of fabrics- cantilever test	IS 6490	Bending length: 1 cm to 8 cm
		Breaking Load & Elongation of woven textiles material	IS 1969	100 N to 2400 N
3.	Fabric (Woven & Non-Woven)	Mass per unit length & mass per unit area of fabric	IS 1964	5 g/m ² to 500 g/m ²

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