

Laboratory **Quality Control Laboratory, Ordnance Clothing Factory,  
Shahjahanpur, Uttar Pradesh**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6765** (in lieu of T-0658 & T-0659)

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Validity **28.02.2018 to 27.02.2020**

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.	<b>Textiles (Yarn &amp; Fabric )</b>	Colour Fastness to Washing	IS/ISO 105C10 (A1, B2, C3, D4 & E5)	Qualitative (Grade 1 to 5)
		Colour Fastness to Perspiration	IS 971	Qualitative (Grade 1 to 5)
		Colour Fastness to Rubbing (Dry/Wet)	IS 766	Qualitative (Grade 1 to 5)
		Dimensional change on Soaking in water	IS 2977	-5 % to +5 %
		Blend Composition	IS 2006 Dry Basis IS 2005, IS 3416	0.1 % to 100 %
		pH value of aqueous extract	IS 1390 (Cold Method)	0.1 to 14
		Colour Fastness to light	IS 2454 (F R Amdt No 1)	Qualitative (Grade 1 to 8)
		Scouring loss	IS: 2360 Appendix 'A' Cl. 6	1 % to 10 %
		Water Soluble matter	IS 3456	Up to 4.0 %

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**MECHANICAL TESTING**

I.	<b>TEXTILE MATERIALS</b>			
1.	<b>Textiles (Yarn &amp; Fabric )</b>	Universal Count of Woolen and Worsted Yarn	IS 681	10 Tex to 450 Tex
		Twist (Direct Count Method)	IS 832	5 Twist/dm to 40 Twist/dm
		Breaking Load	IS 1670	9 N to 40 N
		Length and width of Fabric	IS 1954	50 cm to 180 cm
		Threads per unit length (Woven Fabric)	IS 1963 (Method A)	150 Threads/dm to 450 threads/dm
		Mass/Sq. meter	IS 1964 (Method A)	25 gsm to 800 gsm
		Breaking Load (Raveled Strip Method)	IS 1969	200 N To 4000 N
		Determination of Count of yarn (Tex)	IS 3442	3 Tex to 50 Tex