

Laboratory **Texanlab Laboratories Pvt. Ltd., Plot No. 116, Ground Floor, Udyog Vihar, Phase-4, Gurgaon, Haryana**

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

Certificate Number **TC-6304 (in lieu of T-3605, T-3606)**

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Validity **24.09.2017 to 23.09.2019**

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.	Garments and Apparels/ Fabric	Colour Fastness to Washing	ISO 105 :C10 2006 (A1, B2, C3)	Qualitative (Grade 1 to 5)
		Colour Fastness to Domestic Laundering	ISO 105 :C06 2010 (A1S to C2S) AATCC 61: 2013 (1A, 1B, 2A and 3A)	Qualitative (Grade 1 to 5)
		Colour Fastness to Dry Cleaning	ISO 105: D01 2010 AATCC 132: 2013	Qualitative (Grade 1 to 5)
		Colour Fastness to Water	ISO 105: E01 2013 AATCC 107: 2013	Qualitative (Grade 1 to 5)
		Colour Fastness to Sea water	ISO 105: E02 2013 AATCC 106: 2013	Qualitative (Grade 1 to 5)
		Colour Fastness to Perspiration (Acidic/Alkaline)	ISO 105: E04: 2013 AATCC 15 : 2013	Qualitative (Grade 1 to 5)
		Colour Fastness to Rubbing / Crocking	ISO 105 : X12 : 2016 AATCC 8: 2013	Qualitative (Grade 1 to 5)
		Colour Fastness to Light	ISO 105 : B 02: 2014	Qualitative (Grade 1 to 8)
		Dimensional Stability to Washing & Drying	ISO 3759: 2011 ISO 5077: 2007 ISO 6330: 2012 BS EN ISO 6330: 2012 AATCC 135: 2015 AATCC150: 2012	(-) 50 % to 20 %
		Skewness change in fabric & garment twist from automatic home laundering	AATCC 179: 2012	0.1% to 20 %

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		Fibre Analysis (Cotton/ Viscose/ Rayon/ Acrylic/ Polyester/ Nylon/ Wool)	IS 667: 2003 AATCC 20:2013	Qualitative
		Binary Blends/Mixture i) Polyester & Acrylic ii) Polyester & Cotton or Viscose iii) Cotton & Viscose	ISO1833: 2006, Method 12 ISO1833: 2006, Method 11 IS 1889 (Part 4): 1979 (RA 2000)	0.1% to 100% 0.1% to 100% 0.1% to 100%
		iv) Fibre Analysis pH of aqueous extract	AATCC 20A: 2014 ISO 3071: 2005 AATCC 81: 2012	0.1% to 100% 2 to 12

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MECHANICAL TESTING				
I.	TEXTILE MATERIALS			
1.	Garments and Apparels/ Fabric	Threads /unit length (Woven)Ends/Picks	ISO 7211 (Part 2): 1984 ASTM D 3775: 12	(100 to 500) per dm (25 to 127) threads/inch
		Threads /unit length (Knit) Wales/Courses	BS 5441: 1988	(100 to 500) per dm (25 to 127) threads/inch
		Weight/Unit area (Woven)	ISO 3801 Method 5-1977 ASTM D 3776/D3776M-09a (RA 2013), Option C	20 g to 1000 g
		Weight/Unit area (Knit)	DIN EN 12127-1997	20 g to 1000 g
		Tensile Strength (Strip Method)	ISO 13934 (Part 1): 2013 ASTM D 5035-11(2015)	50 N to 4500 N (11 lb to 1011 lb)
		Tensile Strength (Grab Method)	ISO 13934 (Part 2): 2014 BS EN ISO 13934-2: 2014 ASTM D 5034-09 (RA 2013)	50 N to 4500 N (11 lb to 1011 lb)
		Resistance to Slippage/ Strength	ISO 13935 (Part 2): 2014 (Grab Method) ISO 13936 (Part 1): 2004 (Fixed Seam Opening Method) BS-3320: 1988 (Seam Method) ASTM D 434-1995 (w) ASTM D 1683/D1683 M-16	50 N to 4500 N (11 lb to 1011 lb)
			ISO 13936 Part 2-2004 Fixed Load Method	0.5 mm to 120 mm
		Tear Strength (Elmendorf)	ISO 13937 (Part 1): 2000 ASTM D 1424-09 (RA 2013)	3.13 N to 50.2 N (320 gf to 5120 gf)

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		Bursting Strength (Hydraulic Method)	BS EN ISO 13938 (Part 1): 1999	490 kpa to 4903 kpa (5 kg/cm ² to 50 kg/cm ²)
		Resistance to Abrasion	BS EN ISO 12947: 2016 (Part 2-Specimen Break down) BS EN ISO 12947: 1999 (Part 3-Weight loss) BS EN ISO 12947: 1999 (Part 4-Appearance change)	Upto 80000 rub Upto 50%
			ASTM D 4966- 12 (RA 2016)	Qualitative (Grade 1 to 5)
		Resistance to Pilling (Pill Box Method)	ISO 12945 (Part 1): 2000	Qualitative (Grade 1 to 5)
		Resistance to Pilling (Modified Martindale Method)	ISO 12945 (Part 2): 2000 ASTM D 4970/D 4970 M-16	Qualitative (Grade 1 to 5)
		Elasticity of fabrics (Strip Test)	BS EN 14704-1: 2005 (Method A)	Upto 100% (Recovered Elongation)