

Laboratory	The Bombay Textile Research Association, L. B. S. Marg, Ghatkopar (West), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.02.2014
Certificate Number	T-0363	Valid Until	27.02.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. TEXTILES & RELATED PRODUCTS				
1.	YARN / FABRIC	Degree of Mercerisation of Cotton-Barium Activity Number	IS 1689-1973, (RA 2004)	100 to 160
		Water Soluble Matter	IS 3456-1966, (RA 2005)	0.1% to 20%
		Whiteness index by Reflectance Measurement	AATCC 110-2011	10 to 200
2.	FIBRE / YARN / FABRIC	Identification of Fibre	IS 667-1981, (RA 2003) AATCC 20-2011	Qualitative
		Blend Analysis	IS 3416 (Part 1) 1988, (RA 2008)	1% to 100%
			IS 1889 (Part 4) 1979, (RA 2010)	1% to 100%
			IS 2006-1988, (RA 2009)	1% to 100%
			IS 3421-1988, (RA 2009)	1% to 100%
			IS 2005-1988, (RA 2009) AATCC 20 A-2012	1% to 100%
		Estimation of Fatty Matter, Fats/Waxes, ash content	IS 199-1989, (RA 2005)	0.1% to 5%
		Moisture content	IS 199-1989, (RA 2005)	0.5% to 20%
		Colour Fastness to Washing with Soap or Soap and Soda	IS/ISO 105 C10-2006	Grade: 1 to 5 Qualitative

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	FABRIC	Water Repellency of Fabrics by Water spray Test	IS 390-1975, (RA 2003)	Rating: 0 to 100 Qualitative
		Dimensional changes on washing of Fabrics Woven from Rayon and Synthetic Fibres	IS 1299-1984, (RA 2005)	-20% to +20%
		Resistance to Penetration by Water of Fabrics by Hydrostatic Head Test	IS 391-1975, (RA 2003)	Water column Height: (0 to 100) cm
		Water absorption and Penetration of Fabrics using Bundesman Type Apparatus	IS 392-1989, (RA 2005)	(0 to 100)% Leakage: (0 to 400) ml
		Flammability and Flame resistance of Textile Fabrics	IS 11871-1986, (RA 2004) Method A	Upto 305 mm
		Automotive Vehicles- Flammability Requirements	IS 15061-2002, (RA 2006) (Annexure A)	Upto 500 mm / min
4.	TEXTILE	Free Formaldehyde content	ISO 14184 (Part 1) 2011	(16 to 10000) mg/kg
		Released formaldehyde content	ISO 14184 (Part 2) 2011	(20 to 10000) mg/kg
		Analysis of Heavy Metals (Extraction using acid perspiration solution)	ISO 105 E04-2013 followed by AAS analysis by APHA 3111 A & B: 2005	
		1) Lead		(0.2 to 10000) mg/kg
		2) Cobalt		(1.0 to 10000) mg/kg
		3) Antimony		(6.0 to 10000) mg/kg
		4) Nickel		(0.5 to 10000) mg/kg

