

Laboratory Bureau Veritas Consumer Products Services (India) Pvt. Ltd., 212,
Phase IV, Udyog Vihar, Gurgaon, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 31.07.2015

Certificate Number T-1295 **Valid Until** 30.07.2017

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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. TEXTILE MATERIALS				
1.	Garment /Fabric	Mass Per Unit Area (Weight) of Fabric	BSEN 12127: 1998 ISO 3801: 1977 GB/T 4669: 2008 BS 2471: 2005 AS 2001.2.13: 1987 ASTM D3776/D3776M: 09	10 GSM to 186 GSM
		Number of threads per unit length in Woven Fabric Construction	ISO 7211-2: 1984 BSEN 1049-2: 1994 CAN/CGSB-4.2 No./N 6 SASO 183: 1980 ASTM D3775: 2012	10 inch to 250 inch
		Number of stitches per unit length and unit area (Stitch Density)	DIN EN 14971: 2013 ASTMD 3887: 2008	20 inch to 90 inch
		Dimensional change in washing & Drying	CAN/CGSB 4.2 NO 58: 2004 ISO 5077: 2008 ISO 6330: 2012 GB/T 8629: 2001 GB/T 8630: 2013 GB/T 8628: 2013 AATCC 135: 2014 AS 2001.5.4: 2005 SASO 2140: 2003 GB/T 8878 Sec 5.4.2 AATCC 150: 2012	(-) 3 % to 3 %

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	Garment /Fabric	Water Repellency: Spray Test	BSEN ISO 24920: 2012 GB/T 4745: 2012 AATCC-22: 2014	Qualitative (Grade 0 to 5) (Grade 0 to 100)
		Tensile properties of Fabric	BS EN ISO 13934-1: 2013 AS2001.2.3.1: 2001 GB/T3923.1: 2013 SASO 2139: 2003 ASTM D5035: 2011	109 N to 2000 N
		Tensile properties of Fabrics	BS EN ISO 13934-2: 2014 AS 2001.2.3.2: 2001 GB/T 3923.2: 1998 ASTM D 5034: 2013	109 N to 2000 N
		Slippage resistance of yarn at a seam in woven Fabrics	BS EN ISO 13936-1: 2004 GB/T 13772.1: 2008 ASTM D434: 1995	109 N to 2000 N
		Slippage resistance of yarn at a seam in Woven Fabric	BS EN ISO 13936-2: 2004 GB/T 14272: 2011 GB/T 22849: 2009 GB/T 13772.2: 2008 GB/T 18132: 2008 Annexure A GB/T 2662 Section 4.4.7: 2008 GB/T 2664: 2009 Annexure A GB/T 2665: 2009 Annexure A GB/T 2666: 2009 Annexure B GB/T 2666 Section 4.4.11 AS2001.2.22: 2006	109 N to 2000 N

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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
	Garment/Fabric	Resistance of Slippage of yarn in Woven fabric: Seam Method	BS 3320: 1988	109 N to 2000 N
		Seam Tensile Properties of fabrics and made up textiles articles	BS EN ISO 13935-2: 2014 AS 2001.2.20: 2004 ASTM D1683 : 2011	109 N to 2000 N
		Tear force using ballistic pendulum method	BS EN ISO 13937-1: 2000 CAN /CGSB-4.2 No.12.3: 2005 AS2001.2.8: 2001	20 % to 80 % of Scale value used Scale value:
		Tear Strength by Elmendorf tear Method	GB/T 3917.1: 2009 ASTM D 1424: 2013 SASO 2141: 2003	160 g to 5120 g
		Tear force of trouser shaped test in specimen	BS EN ISO 13937-2: 2000 GB/T3917.2: 2009	11.1 kg to 203 kg
		Tear force of wing shaped test specimens (Single tear method)	BS EN ISO 13937-3: 2000	11.1 kg to 203 kg
		Dimensional Change of fabrics induced by free Steam	BS 4323: 1979	All Fabrics (Natural & Man-Made fibers) (±)50 % Sample size L 300 mm W 50 mm

Iti Saxena
Convenor

N. Venkateswaran
Program Manager

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	Garment /Fabric	Abrasion resistance of fabrics by Martindale method	BSEN ISO 12947-1: 1998 AS 2001.2.25.1: 2006 BSEN ISO 12947-2: 1998 AS 2001.2.25.2: 2006 BSEN ISO 12947-3: 1998 AS 2001.2.25.3: 2006 BSEN ISO 12947-4: 1998 AS 2001.2.25.4: 2006 ASTM D 4966: 2012 GB/T 21196.1: 2007 FZ/T 20020: 1999	100 cycle to 50,000 Cycles (±) ½ Grade Weight Loss (0 to 25 %)
		Fabric propensity to surface fuzzing and to pilling	BSEN ISO 12945-1: 2001 GB/T 4802.3: 2008 BSEN ISO 12945-2: 2000 GB/T 4802.2: 2008 GB/T 4802.1: 2008	Qualitative (Class 1 to 5) (±) ½ Grade
		Bursting Strength	BS EN ISO 13938-2: 1999 ASTMD-3786: 2013	100 kPa to 900 kPa
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D3512: 2013	Qualitative (Grade 1.0 to 5.0)
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics (Martindale Pressure Tester Method)	ASTM D4970: 2010	Qualitative (Grade 1.0 to 5.0)

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	Garment /Fabric	Skewness change in fabric and garment twist resulting from automatic home Laundering	AATCC 179: 2012 ISO 16322-1, 2& 3: 2005	0 to 50 % Skewness
		Determination of propensity of fabrics to snagging- Rotating Chamber Method	BS 8479: 2008	Qualitative (Class 1 to 5)
		Assessing Appearance of Apparel and other textile end products after domestic washing and drying	BSEN 15487: 2009 ISO 15487: 2009 ISO 7769: 2009 ISO 7770: 2006	Qualitative (Class 1 to 5) (±) ½ Grade
		Woven Fabric- Construction	ISO -7211-5: 1984 ASTMD-1059: 2001	(10 to 80) Ne warp & weft
		Resistance to Unsnapping of Snap Fastener	ASTM D4846: 2011	109 N to 2000 N
		Safety of Children's Clothing- Cords and drawstring on Children's Clothing	GB/T22702: 2008 BSEN 14682: 2014	70 mm to 150 mm
		Elasticity of fabrics	EN 14704-1: 2005	10 % to 15 %
		Zipper Strength Test	ASTM D2061: 2007 BS 3084: 2006 CI 5.3, 5.4, 5.6, 5.8, 5.9, 5.10 & 5.11	109 N to 2000 N

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	Garment /Fabric	Code of practice for the design and manufacture of children's clothing to promote mechanical safety	BS 7907: 2007(Annex B)	109 N to 500 N
		Pilling Resistances Elastomeric Pad Pilling	ASTM D 3514: 2014	Qualitative (Grade 1 to 5) on Photographic std.

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Iti Saxena
Convenor

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Program Manager