

Laboratory **SCM Garments Pvt. Ltd. - Mega Laboratory, S. F No. 40 A, N. G. Palayam Pudur Pirivu, Pudukkottai, Thekkalur, Avinashi**

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

Certificate Number **TC-6639 (in lieu of T-1700 & T-1701)**

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Validity **18.12.2017 to 17.12.2019**

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.	Textile Fabric/ Garments/ Accessories	Determination of pH Aqueous Extract	ISO 3071:2005 BSEN ISO 3071 :2006 AATCC 81:2016	1 to 14
		Colour Fastness to Rubbing / Crocking	ISO 105 X12 : 2016 BSEN ISO 105 X12 : 2016 AATCC 8 : 2016	Qualitative (Grade 1 to 5)
		Dimensional change in domestic washing & drying	ISO 5077:2007 & ISO 6330:2012 ISO 3759 : 2011 BSEN 5077:2008 BSEN ISO 6330:2012 AATCC 135:2015	(-)30 % to (+) 30 %
2	Textile Fabric/ Garments	Spirality/Skewness change after laundering	ISO 16322-2:2005 AATCC 179: 2012	(-)30 % to (+)30 %
		Print Durability	SOP-20:2015 (In House Test Method)	Qualitative Grade 1 to 5
3.	Textile Fabric/ Garments/ Accessories /Yarn	Colour Fastness to Domestic Washing & Commercial Laundering	ISO 105 C06:2010 BSEN ISO 105 C06:2010 AATCC 61:2013	Qualitative Grade 1 to 5
		Colour Fastness to Perspiration	ISO 105 E04:2013 AATCC 15 :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 Water	ISO 105 E01:2013 BSEN ISO 105 E01:2013 AATCC 107:2013	Qualitative Grade 1 to 5

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		Assessment of the Potential to Phenolic Yellowing of Materials	ISO 105 x18:2007 BSEN ISO 105 x18:2007	Qualitative Grade 1 to 5
		Fiber Identification & Blend composition of Cotton/ Viscose / Polyester Spandex	AATCC 20:2013 AATCC 20A:2014 ISO 1833-5:2006 ISO 1833-11:2017 ISO 1833-12:2006	1 % to 100 %
		Determination of Formaldehyde-Free and Hydrolysed Formaldehyde Water Extraction Method	ISO 14184-1 : 2011	1 mg/kg to 1000 mg/kg
		Colour Fastness to Artificial Saliva	DIN 53160-1:2010	Qualitative Grade 1 to 5
		Colour Fastness to Artificial Sweat	DIN 53160-2:2010	Qualitative Grade 1 to 5
		Colour Fastness to Sodium Hypochlorite bleach in Home Laundering	AATCC 188:2010	Qualitative Grade 1 to 5
		Colour Fastness to Powder Non- chlorine bleach in Home Laundering	AATCC 172:2016	Qualitative Grade 1 to 5

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**MECHANICAL TESTING**

I.	TEXTILE MATERIALS			
1.	Textile fabric/ Garments	Mass per unit length and Mass per unit area	ISO 3801:1977, Method 5 BSEN 12127: 1998 ASTM D3776/D3776M-09a Reapproved(Option C): 2017	20 gsm to 500 gsm
		Fabric Propensity to Surface Fuzzing & to Pilling	ISO 12945-1:2000	Qualitative Grade 1 to 5
		Bursting Strength and Bursting Distension Pneumatic Method	ISO 13938-2:1999 ASTM D3786/D3786M-13	100 kPa to 1000 kPa
		Stretch Properties of knitted Fabrics having low power	ASTM D 2594-08 (Reapproved 2016)	Growth: 0 to 15 % Stretch: 0 to 150 %
2.	Textile fabric	Width and Length of fabrics	ISO 22198: 2006	5 cm to 250 cm
		Bow & Skew in woven and Knitted fabrics	ASTM D 3882-08 Reapproved 2016	0 to 30 %