

Laboratory	SGS India Private Limited, Consumer Testing Services-Laboratory, No. 134, 2nd Floor, Sivashakthi Nagar, College Road, Tirupur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	08.11.2015
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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 & TEXTILE AUXILIARIES				
1.	Textiles	Determination of pH of Aqueous Extract	AATCC-81: 2012 ISO 3071: 2005 BS EN ISO 3071: 2006 DIN EN ISO 3071: 2006 NF EN ISO 3071: 2006 CAN/CGSB 4.2 NO. 74-2011/ISO 3071: 2005 IS 1390: 1983 GB/T 7573: 2009	2 to 12
		Determination of Formaldehyde Free and Hydrolysed (Water Extraction Method)	JIS L-1041: 2011 ISO 14184 – 1: 2011 EN ISO 14184- 1: 2011 BS EN ISO 14184-1: 2011 JAP LAW 112 § 64 LFGB, BVL B 82.02-1: 1985 CAN/CGSB 4.2 No. 63.4-2007/ISO 14184-1: 1998	10 mg/kg to 3500 mg/kg
		Released Formaldehyde (Vapour Absorption Method)	DIN EN ISO 14184- 1: (2011-12) GB/T 2912.1: 2009 ISO 14184-2: 2011 EN ISO 14184-2: 2011 BS EN ISO 14184-2: 2011 AATCC 112: 2014 CAN/CGSB 4.2 No. 63.5: 2007/ ISO 14184-2: 1998 DIN EN ISO 14184-2: (2011-12) GB/T 2912.2: 2009	

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	Textiles	Formaldehyde Spot Test	AATCC-94: 2012	Qualitative (Present/Absent) >15 mg/kg
		Qualitative and Quantitative Analysis Fiber Content	AATCC 20: 2013/20A: 2014 ASTMD 276: 2012/ 629: 2015 BS 4407: 1988, ISO 1833 In Accordance with EU 1007/2011 CAN/CGSB.4.2 No.14: 2005 AS 2001.7: 2005 IS 3416: 1988	0.1 % to 100 %
		Mercerization in Cotton	AATCC 89: 2012	100 to 200 Barium Activity Number
		Colour Fastness to Laundering	AATCC-61: 2013 BS EN ISO 105 C06: 2010 ISO 105 C06: 2010 DIN EN ISO 105 C06: 2010 EN ISO 105 C06: 2010 AS 2001.4.15: 2006 CAN/CGSB 4.2 No. 19.2: 2003 (RA 2010) GB/T 12490: 2014	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Washing	CAN/CGSB-4.2 No. 19.1: 2004 (R 2013) IS/ISO 105(Part C10): 2006 ISO 105 C10: 2006 BS EN ISO 105 C10: 2007 DIN EN ISO 105 C10: 2007 GB/T: 3921: 2008	Qualitative (1 Grade to 5 Grade)

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	Textiles	Colour Fastness to Crocking/Rubbing	AATCC-8: 2013 ISO 105 x12: 2001 BS EN ISO 105-x12: 2002 DIN EN ISO 105-x12: 2002 EN ISO 105-X12: 2002 CAN/CGSB-4.2,No. 22: 2004 (RA 2013) AS 2001 4.3: 1995 IS 766: 1988 AATCC 165: 2013 GB/T 3920: 2008	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Water	AATCC-107: 2013 CAN-CGSB 4.2No/N20-M89 (RA 2013) ISO 105 E01: 2013 BS EN ISO 105 E01: 2013 EN ISO 105 E01: 2013 DINEN ISO 105 E01: 2013 AS 2001.4 E01: 2001 IS 767: 1988 GB/T 5713: 2013	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Perspiration	AATCC-15: 2013 ISO 105 E04: 2013 BS EN ISO 105 E04: 2013 EN ISO 105 E04: 2013 DINEN ISO 105 E04: 2013 CAN/CGSB-4.2,No/N23-M90 (RA 2013) AS 2001.4.E04: 2005 IS 971: 1983 (RA 2004) GB/T 3922: 2013	Qualitative (1 Grade to 5 Grade)

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	Textiles	Colour Fastness to Dry Cleaning	AATCC-132: 2013 ISO 105 D01: 2010 EN ISO105 D01: 2010 BS EN ISO105 D01: 2010 DINEN ISO 105 D01: 2010 CAN/CGSB-4.2No/N29.1-M89 (RA 1997) AS 2001.4.16: 1981 IS 4802: 1988 GB/T5711: 1997	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Light (Xenon Arc)	AATCC 16.3: 2014 ISO 105 B02: 2014 BSEN ISO 105 B02: 2014 EN ISO 105 B02: 2014 DINEN ISO 105 B02: 2014 CAN/CGSB-4.2, No.18.3-97 (RA 2010) ISO 105 B02: 2013 (Modified) BSEN ISO 105 B02: 2014 (Modified) EN ISO 105 B02: 2014 (Modified) AS 2001.4.B02: 2001 GB/T 8427: 2008	1 BWS to 8 BWS Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Sea Water	ISO 105 E02: 2013 AATCC 106: 2013 BS EN ISO 105 E02: 2013 EN ISO 105 E02: 2013 DIN EN ISO 105 E02: 2013 CAN/CGSB-4.2, No.21-M90 (RA 2013) AS 2001 4.E02: 2001 GB/T 5714: 1997	Qualitative (1 Grade to 5 Grade)

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	Textiles	Colour Fastness to Powdered Non Chlorine Bleach	AATCC 172: 2010	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Chlorinated Water	ISO 105 E03: 2010 BS EN ISO 105 E03: 2010 EN ISO 105 E03: 2010 DIN EN ISO E03: 2010 AS 2001.4.5: 1998 GB/T 8433: 2013	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Chlorine Bleach	ISO 105 N01: 1993 AATCC 188: 2010	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Domestic and Commercial Laundering Using Non-Phosphate Reference Detergent Incorporating Low Temperature Bleach Activator	BS EN ISO 105 C08: 2010 ISO 105 C08: 2010 EN ISO 105 C08: 2010 DIN EN ISO 105 C08: 2010	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Domestic and Commercial Laundering- Oxidative Bleach Response Using Non-Phosphate Reference Detergent Incorporating Low Temperature Bleach Activator	ISO 105 C09: 2001 BS EN ISO 105 C09: 2003 DIN ISO 105 C09: 2007 EN ISO 105 C09: 2003 Amd. 1 2007	Qualitative (1 Grade to 5 Grade)
		Colour Differences	AATCC 173: 2009 ISO 105 J03: 2009 EN ISO 105 J03: 2009 BS EN ISO 105 J03: 2009 (By Calculation)	0.1 ΔE cmc to 20.0 ΔE cmc

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	Textiles	Instrumental Assessment of Relative Whiteness	AATCC 110: 2011 ISO 105 J02: 1997/Cor 1: 1998 EN ISO 105 J02: 1999 BS EN ISO 105 J02: 2000	1 to 200.0
		Colour Fastness to Dye Transfer in Storage	AATCC 163: 2013	Qualitative (1 Grade to 5 Grade)
		Assessment of The Potential to Phenolic Yellowing	ISO 105 x18: 2007 BS EN ISO 105 x18: 2007 DIN EN ISO 105 x18: 2007 EN ISO 105 x18: 2007	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Saliva Colour Fastness to Perspiration	LFGB (LMBG) BVL B 82.10.1: 2011	Qualitative (Genuinely Resistant/ Not-Resistant)
		Colour Fastness to Saliva Colour Fastness to Sweat	DIN 53160 (Part 1): 2010 DIN 53160 (Part 2): 2010 GB/T 18886: 2006	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Organic Solvent	ISO 105 x05: 1994 BS EN ISO 105 x05: 1997 IS 688: 1988 (RA 2009) AATCC 157: 2010	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Hot Pressing	ISO 105 XII: 1994 BS EN ISO 105 XII: 1996 AATCC 133: 2009	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Dry Heat	ISO 105 C 07: 1999 BS EN ISO 105 P 01: 1995 AATCC 117: 2013	Qualitative (1 Grade to 5 Grade)

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	Textiles	Colour Fastness to Perspiration and Light	ISO 105 B07: 2009 AATCC 125: 2013 BS EN ISO 105 B07: 2009 DIN EN ISO 105 B07: 2009	Qualitative (1 Grade to 5 Grade)
		Vertical Wicking	AATCC 197: 2013	Qualitative (1 Grade to 5 Grade)
		Colour Fastness to Chlorinated Pool Water	AATCC 162: 2011	Qualitative (1 Grade to 5 Grade)
		Metallic Accessories- Corrosion Resistance (Salt Water)	ISO 22775: 2004 Method 2 BS EN ISO 22775: 2004 Method 2	Qualitative (1 Grade to 5 Grade)
		Screening Tests For Nickel Release	CR 12471: 2002 EN 12471: 2002 FD CR 12471: 2002	Qualitative
		Metallic Accessories- Corrosion Resistance (Salt Water)	ISO 22775: 2004 Method 2 BS EN ISO 22775: 2004 Method 2	Qualitative (1 Grade to 5 Grade)
		Screening Tests For Nickel Release	CR 12471: 2002 EN 12471: 2002 FD CR 12471: 2002	Qualitative
		Determination Forbidden Amines Benzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethylbenzidine P-Chloraniline O-Toluidine Toluylene 2,4 Diamine	BS EN 14362-1: 2012 § 64 LFGB, BVL B 82.02.2: 2013 ISO 24362-1: 2014 GB/T 17592: 2011 § 64 LFGB, BVL B 82.02.15: 2013	5 mg/kg to 2000 mg/kg

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	Textiles	Di N Pentyl Isopentyl Phthalate 1,2- Benzenedicarboxylic Acid, Dipentylester, Branched And Linear(DPP) Diisobutyl Phthalate Di-N-Hexyl Phthalate Di Isoheptyl Phthalate Di Undecyl Phthalate Di -C7-C11-(Lineary and Branched)-Alkyl Phthalate(DHNUP) Diethyl Phthalate Dimethyl Phthalate Di-(2-Propylheptyl) Phthalate Dipropyl Phthalate Diphenyl Phthalate Diheptyl Phthalate Diisooctyl Phthalate Dibenzyl Phthalate Dinonyl Phthalate Didecyl Phthalate Diisohexyl Phthalate	CPSC-CH-C1001-09-3: 2010 SGS-IN-CTS-QU-ECO: 14 SOP according to BS EN 15777: 2009 SO-IN-CTS-TPR-QU-ECO-017 SOP according to ISO 14389: 2014 SO-IN-CTS-TPR-QU-ECO-016 [In house Method/Analysis by GCMS]	30 mg/kg to 500000 mg/kg (0.003 % to 50 %)
2.	Textiles (Fabric & Garment)	Dimensional Stability to Washing	AATCC 135: 2014 AATCC 150: 2012 CAN/CGSB 4.2 No.58: 2004 ISO 3759: 2011/ ISO 5077: 2007/ ISO 6330: (2000-2012) BS EN ISO 3759: 2011 / BS EN ISO 5077: 2008 BS EN ISO 6330: (2001-2012) DIN EN ISO 3759: 2011/	(-) 25 % to (+) 25 %

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	Textiles (Fabric & Garment)	Dimensional Stability to Washing	DIN EN ISO 5077: 2008 DIN EN ISO 6330: (2000-2013) EN ISO 3759: 2008 / EN ISO 5077: 2011 EN ISO 6330: (2000-2012) AS 2001 5.4: 2005 GB/T 8628: 2001 GB/T 8629: 2001 GB/T 8630: 2002	(-) 25 % to (+) 25 %
		Spirality After Washing/Laundrying	AATCC 179: 2012 ISO 16322 (Part 1,2 & 3): 2005 BS ISO 16322 (Part 1,2 & 3): 2005	Upto 25 %
		Appearance Retention, Seam Smoothness and Crease Retention After Repeated Home Laundrying	AATCC -124: 2014 CAN/CGSB 4.2,No/N59.1-M88 CAN/CGSB 4.2,No/N59.2-M88 CAN/CGSB 4.2,No/N59.3-M88 ISO 7768: 2009 ISO 7769: 2009 ISO 7770: 2009 BS EN ISO 7768: 2009 BS EN ISO 7769: 2009 BS EN ISO 7770: 2009 AATCC 88B: 2014 AATCC 88C: 2014 AATCC 143: 2014 ISO 15487: 2009 BS EN ISO 15487: 2010	Qualitative (1 Grade to 5 Grade)

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	Textiles (Fabric & Garment)	Flammability of Apparel Textiles	ASTM D 1230: 2010 16 CFR 1610: 2008 CAN/CGSB-4.2 No. 27.5: 2008 GB/T 14644: 1993	1 s to 20 s
		Surface Water Absorbency of Terry Fabrics	ASTM D 4772: 2014	1 ml to 50 ml
		Water Absorbency / Wet Ability of Textiles	AATCC 79: 2014 BS 4554: 1970	Upto 100 s
3	Miscellaneous Products (Plastic/Rubber/ Coating/ Print Paste)	Determination of Phthalates Dibutyl Phthalate Benzyl Butyl Phthalate Bis 2 Ethyl Hexyl Phthalate Di Octyl Phthalate Diiso Nonyl Phthalate Diiso Decyl Phthalate Bis (2-Methoxyethyl) Phthalate Di Cyclohexyl Phthalate Di Hexyl Phthalate Di N Pentyl Phthalate Di Iso Pentyl Phthalate Di N Pentyl Isopentyl Phthalate 1,2-Benzenedicarboxylic Acid, Dipentylester, Branched And Linear(DPP) Diisobutyl Phthalate Di-N-Hexyl Phthalate Di Isoheptyl Phthalate Di Undecyl Phthalate Di -C7-C11-(Lineary and	ASTM D 3421: 1975 EN 14372: 2004 BS EN 15777: 2009 CPSC-CH-C1001-09-3: 2010 ISO 14389: 2014 SGS-IN-CTS-QU-ECO-11 SOP according to EN 14372: 2004 SGS-IN-CTS-QU-ECO: 12 SOP according to ASTM D 3421: 1975 SGS-IN-CTS-QU-ECO: 13 SOP according to CPSC-CH-C1001-09-3: 2010 SGS-IN-CTS-QU-ECO: 14 SOP according to BS EN 15777: 2009 SO-IN-CTS-TPR-QU-ECO-017 SOP according to ISO 14389: 2014	30 mg/kg to 500000 mg/kg (0.003 % to 50 %)

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	Miscellaneous Products (Plastic/Rubber/Coating/Print Paste)	Branched)-Alkyl Phthalate(DHNUP) Diethyl Phthalate Dimethyl Phthalate Di-(2-Propylheptyl) Phthalate Dipropyl Phthalate Diphenyl Phthalate Diheptyl Phthalate Diisooctyl Phthalate Dibenzyl Phthalate Dinonyl Phthalate Didecyl Phthalate Diisohexyl Phthalate	SO-IN-CTS-TPR-QU-ECO-016 [In house Method/Analysis by GCMS]	30 mg/kg to 500000 mg/kg (0.003 % to 50 %)
4.	Miscellaneous Products (Pigments /Dyes)	Determination Forbidden Amines Benzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethylbenzidine P-Chloraniline O-Toluidine Toluylene 2,4 Diamine 4-Aminobiphenyl 4-Chloro-O-Toluidine 5 Methyl -O- Anisidine 4,4' Methylenedianiline O-Anisidine 2,4-Dimethyl Aniline 4methoxymphenylenediamine 4,4methylen-Bis(2chloranilin) 4,4'-Oxydianiline 2,4,5-Trimethylaniline O-Aminoazotoluene 2,6-Dimethyl Aniline 3,3'-Dichlorobenzidine	§ 64 LFGB, BVL B 82.02.2: 2013 EN 14362 -1: 2012 ISO 24362-1: 2014 § 64 LFGB, BVL B 82.02.15: 2013 EN 14362 -3: 2012 ISO 24362-3: 2014	5 mg/kg to 2000 mg/kg

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	Miscellaneous Products (Pigments /Dyes)	2-Naphthylamine 4,4' Methylene Di O Toluidine 4,4'-Thiodianiline 5-Nitro-O-Toluidine 4-Amino Azo Benzene Aniline P-Phenylenediamine	§ 64 LFGB, BVL B 82.02.2: 2013 EN 14362 -1: 2012 ISO 24362-1: 2014 § 64 LFGB, BVL B 82.02.15: 2013 EN 14362 -3: 2012 ISO 24362-3: 2014	5 mg/kg to 2000 mg/kg

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