

Laboratory	Intertek India Private Limited, 501, Palladam Road, Thennampalayam, Tirupur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	02.05.2014
Certificate Number	T-0537	Valid Until	01.05.2016
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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
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I. TEXTILE & TEXTILE AUXILIARIES

1. Textile and Garment	Colour fastness to washing	ISO 105 C10 - 2007 ISO 105 C01 - C05-1989 ISO 105 C06 - 2010 ISO 105 C08 - 2010 BS 1006 C01 - C06- 1990 DIN EN ISO 105 C01-C05-1989 DIN EN ISO 105 C06-1994 AATCC 61-2013	Grade: 1 to 5
	Colour Fastness to Rubbing (Crocking)	ISO 105 X 12 -2001 BS 1006 X 12- 1990 DIN EN ISO 105 X12-2001 AATCC 8 -2013	Grade: 1 to 5
	Colour Fastness to Perspiration	ISO 105 E04-2013 BS 1006 E04- 1996 DIN EN ISO 105 E04-1996 AATCC 15-2013	Grade: 1 to 5
	Colour Fastness to Dry cleaning	ISO 105 D01-2010 BS 1006 D01- 1990 DIN EN ISO 105 D01-1993 AATCC 132-2013	Grade: 1 to 5
	Colour Fastness to Light	ISO 105 B02- 2013 BS 1006 B02-1990 DIN EN ISO 105 B02-1994 AATCC 16.3:2012	Grade: 1 to 8 Grade: 1 to 8 Grade: 1 to 8 Grade: 1 to 5

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	Textile and Garment	Colour Fastness to Water	ISO 105 E01-2013 BS 1006 E01-1990 DIN EN ISO 105 E01-1994 AATCC 107-2013	Grade: 1 to 5
		Colour Fastness to Bleaching Hypochlorite	ISO 105 N01- 1993 BS 1006 N01-1990 DIN EN ISO 105 N01-1993 AATCC 61-5A-2013	Grade: 1 to 5
		Colour Fastness to Peroxide	AATCC 101-2013	
		Colour Fastness to Chlorinated Water	ISO 105 E03- 2010 BS 1006 E03- 1990 DIN EN ISO 105 E03-1994	Grade: 1 to 5
		Colour Fastness to Chlorinated Pool Water	AATCC 162- 2011	Grade: 1 to 5
		Colour Fastness to Sea Water	ISO 105 E02- 2013 BS 1006 E02- 1990 DIN EN ISO 105 E02-1994 AATCC 106- 2013	Grade: 1 to 5
		Colour Fastness to Hot pressing	ISO 105 X 11 -1994 BS 1006 X 11- 1990 DIN EN ISO 105 X11-1994 AATCC 133- 2013	Grade: 1 to 5

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	Textile and Garment	Colour Fastness to Organic Solvent	ISO 105 X05- 1994 BS 1006 X05- 1990 DIN EN ISO 105 X05-1994	Grade: 1 to 5
		Colour Fastness to Saliva	DIN 53160 (Part I & II)- 2010	Grade: 1 to 5
		Fabric Composition Qualitative analysis, Quantitative Analysis (Composition weight %)	AATCC 20-2013 BS 4407-2000 ISO 1833-2006 ISO 5088-1976 AATCC 20 A-2013	Upto 100 %
		pH value	ISO 3071- 2006 AATCC 81- 2012 BS 3266-1981	1 to 14
		Dimensional Stability to washing	ISO 6330- 2012 ISO 3759-2011 DIN EN ISO 6330-2000 AATCC 135- 2012 AATCC 150- 2012	-50 to +50%
		Appearance of Fabric after repeated home laundering	AATCC 124 -2011	Grade: 1 to 5
		Appearance of apparel and other textile products after repeated home laundering	AATCC 143- 2011	Grade: 1 to 5

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	Textile and Garment	Spirality / Torque	AATCC 179-2012 BS EN ISO 26330-1994 BS EN ISO 6330-2001 ISO 16322-2005	-20% to +50%
		Smoothness of seams in fabric after repeated home laundering	AATCC 88B-2011	Grade: 1 to 5
		Retention of creases in fabric after repeated home laundering	AATCC 88C-2011	Grade: 1 to 5
		Colorfastness to Non chlorine Bleach	AATCC 172-2010	Grade: 1 to 5
		Colour fastness to crocking: Rotary vertical crock meter method	AATCC 116-2013	Grade: 1 to 5
		Colour fastness to crocking: Textile floor coverings- AATCC Crock meter method	AATCC 165-2013	Grade: 1 to 5
		Free Formaldehyde	BS EN ISO 14184-I-2011	16 to 1000 mg/kg
		Released Formaldehyde	AATCC 112-2008 BS EN ISO 14184-II-2011	
		Dimensional stability to steam	BS 4323:1979	-50% to +50%

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	Textile and Garment	Soil Release- Oily Stain Release Method	AATCC 130:2010	Grade: 1 to 5
		Oil Repellency	AATCC 118:2013	Grades: 0 to 8
		Dimensional Stability to Dry cleaning	ISO 3175-2:2010	-50% to +50%
		Corrosion Resistance	BSEN ISO 22775: 2004 Method 2	Grade: 1 to 5
		Water Spotting	ISO 105 E07:2010	Grade: 1 to 5
		Water Absorbency	ASTM D 4772:2009	50 ml
		Water Absorbency	AATCC 79:2010	0 to 60 sec
		Wicking	AATCC TS 017	Qualitative
		Color fastness to rubbing	ISO 105 X16:2001 GB/T 3920:2008	Grade: 1 to 5
		Color fastness to Phenolic yellowing	ISO 105 X18:2007	Grade: 1 to 5
		pH Value	GB/T 7573:2009	1 to 14
		Formaldehyde	GB/T 2912.1:2009, JIS L 1041:1983	16 to 1000 mg/kg

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2.	Textile, Leather and its Accessories	Chlorinated phenol Pentachlorophenol (PCP) CAS no 87-86-5 2,3,4,5 Tetrachlorophenol (2,3,4,5 TeCP) CAS no 4901-51-3 2,3,4,6 Tetrachlorophenol (2,3,4,6 TeCP) CAS no 58-90-2 2,3,5,6 Tetrachlorophenol (2,3,5,6 TeCP) CAS no 935-95-5 2,3,6 Trichlorophenol (2,3,6 TCP) CAS no 933-95-5 2,4,6 Trichlorophenol (2,4,6 TCP) CAS no 88-06-2 2,3,5 Trichlorophenol (2,3,5 TCP) CAS no 933-78-8 3,4,5 Trichlorophenol (3,4,5 TCP) CAS no 609-19-8 0-phenylphenol (OPP), CAS no.90-43-7	35LMBG 82-02- 8-2001 ISO 17070:2006 DIN 53313-1996	0.5 to 100 mg/kg
		Aromatic amines derived from azo colorants O- Tolidine (95-53-4) 2, 4 Xylidine (95 -68-1) O- Anisidine (90-04-0) P- Chloroaniline (106-47-8) P-Kresidine (120-71-8) 2, 4, 5 Trimethylaniline (137-17-7)	LMBG 35 B 82-02– 2: 2004 LMBG 35 B 82-02– 4: 2004 BS EN 14362-1:2012 BSEN 14362-3: 2012 GB/T 17592:2011 ISO: 17234-1:2012 ISO: 17234-2:2011 LMBG 35 B 82-02-9: 2006	2 to 300 mg/kg

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	Textile, Leather and its Accessories	4 Chlor-O-Toluidine (95-69-2) 2, 4 Tolyenediamine (95-80-7) 2, 4 Diaminoanisole (615-05-4) 2 Naphthalamine (91-59-8) 2 Aminonitro-4 Toluene (99-55-8) 4 Aminobiphenyl (92-67-1) P-Aminoazobenzene (60-09-03) 4, 4 Oxydianiline (101-80-4) Benzidine (92-87-5) 4, 4 Diamino-diphenyl methane (101-77-9) O Aminoazotoluene (97-56-3) 4, 4 Diamino -3,3 Dimethyldiphenyl amine (838-88-0) 3, 3 Dimethyl Benzidine (119-93-7) 4, 4 Thiodianiline (139-65-1) 3, 3 Dichlorobenzidine (91-94-1) 4, 4 Methylene -Bis-2 Chloraniline (101-14-4) 3, 3 Dimethoxy Benzidine (119-90-4) 2, 6 Xylidine (87-62-7)	LMBG 35 B 82-02- 2: 2004 LMBG 35 B 82-02- 4: 2004 BS EN 14362-1:2012 BSEN 14362-3: 2012 GB/T 17592:2011 ISO 17234-1:2012 ISO 17234-2:2011 LMBG 35 B 82-02-9: 2006	2 to 300 mg/kg

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3.	Textile and its Accessories	Determination of chlorobenzene & chlorotoluene content 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, 2,3-Dichlorotoluene, 2,4-Dichlorotoluene, 2,5-Dichlorotoluene, 2,6-Dichlorotoluene, 3,4-Dichlorotoluene, 2,4,5-Trichlorotoluene, 2,3,6-Trichlorotoluene Tetrachlorotoluene, pentachlorotoluene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene, 1,2,3,4-Tetrachlorobenzene, 1,2,3,5-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Pentachlorobenzene, Hexachlorobenzene	DIN 54232 : 2010	0.1 to 100 mg/kg

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	Textile and its Accessories	Determination of Disperse and carcinogenic dyes:- Disperseblue1,3, 106,26,124 Disperse Red 11,1,17 Disperse Yellow 1,9,3,23,39 Disperse Orange 3,37,1,11,149, Basic violet 3, Basic Red 9, Acid Red 26, Basic Violet 14, Direct Red 28, Basic red 46, Basic violet 1 Disperse Brown 1	SOP/CH/TM -22 based on DIN 54231: 2005	1 to 5000 mg/kg
4.	Textiles, Plastic and Toy product	Determination of Phthalates (a)Phthalates in Toys and Childcare Articles (b) Phthalates in child care article as per EU Directives 2005/84/EC) 1 Di-isononyl phthalate (DINP); CAS No. 28553-12-0 Di-(2-ethylhexyl) phthalate (DEHP); CAS No. 117-81-7 Di-n-octyl phthalate (DNOP); CAS No. 117-84-0 Di-iso-decyl phthalate (DIDP); CAS No. 26761-40-0 Butyl benzyl phthalate (BBP); CAS NO. 85-68-7 Di-butyl phthalate (DBP); CAS No. 84-72-2	CPSC-CH-C1001-09.3:2010 BSEN 14372:2004 BSEN 15777: 2009	50 to 10000 mg/kg

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	Textiles, Plastic and Toy product	Di-n-hexyl phthalates (DnHP) CAS No. 84-75-3 Tri-(2-chloroethyl) phosphate (TriCP) CAS No. 115-96-8 N-pentyl-isopentylphthalate (NPIPP) CAS No. 84777-06-0 Bis(2-methoxyethyl)phthalate (DMEP) CAS No. 117-82-8 Di-n-petyl phthalate (DnPP) CAS No. 131-18-0 Di-iso pentyl phthalate (DIPP) CAS No. 605-50-5 Di-iso Butyl phthalate (DIBP) CAS No.	CPSC-CH-C1001-09.3:2010 BSEN 14372:2004 BSEN 15777: 2009	50 to 10000 mg/kg
5.	Textiles, Leather, Plastic Accessories and Toy product	Organotin compounds Methyltin Dibutyltin (DBT) Tributyltin (TBT) Tetrabutyltin (TTBT) Di-n-propyltin Mono-octyl tin (MOT) Dioctyltin (DOT) Triphenyltin (TPhT) Di phenyltin	BS EN 71 -3: 2013	0.05 to 20 mg/kg

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	Textiles, Leather, Plastic Accessories and Toy product	Migration of certain elements (Barium, Lead, Cadmium, Antimony, Selenium, Chromium (III), Chromium (VI), Mercury, Arsenic, Aluminium, Boron, Cobalt, Copper, Manganese, Nickel, Strontium, Tin, Zinc)	EN 71-3-2013	0.2 to 10000 mg/kg
6.	Textiles and Textiles Accessories/ Paints/ Jewellery	Total Lead in Non metal (In children products)	CPSC-CH-E-1002-08.2.2012 ASTM E 1645-2001 (Reapproved 2007) ASTM E 1613-2004	10 to 10000 mg/kg
		Lead in paint/Lead in surface coating (paints & other similar surface coating)	CPSC-CH-E1003- 09.2011 ASTM E 1613: 2004 ASTM E 1645: 2001 (Reapproved 2007)	10 to 10000 mg/kg
		Total lead content in Substrate (Metal)	CPSC-CH-E 1001- 08.2008 ASTM E1645-2001 (Reapproved 2007) ASTM E1613-2004 SOP/CH/TM/29 based on EPA 3050B/ SOP/CH/TM/27 based on EPA 3051A/ SOP/CH/TM/28 based on EPA 3052	5 to 10000 mg/kg

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7.	Plastic and Textile Accessories	Total Cadmium Content	BSEN 1122 : 2001	0.2 to 10000 mg/kg
8.	Textile & Leather Product/ Plastic Product	Nonyl Phenol Ethoxylates (NPEO) Octyl Phenol Ethoxylate (OPEO) Nonyl Phenol (NP) Octyl Phenol (OP)	SOP/CH/TM- 39 based on AFIRM method	10 to 10000 mg/kg
II. LEATHER				
1.	Leather and its Accessories	Dimethyl Fumarate	SOP/CH/TM -11 Based on ISO/TS 16186 :2012	0.1 to 100 mg/kg
		Chromium VI	ISO 17075 :2007 DIN 53314-1996	0.5 to 100 mg/kg
		Determination of free & released Formaldehyde	ISO 17226-1: 2008	5 to 1000 mg/kg
		pH	ISO 4045:2008	1 to 14
III.	Electro Chemical Product Containing Hazards Chemicals, Polymer & Metal under ROHS Regulation	Migration of Certain Elements Lead	IEC 62321-2008	0.2 to 300000 mg/kg
		Cadmium		0.2 to 100000 mg/kg
		Mercury		0.2 to 100000 mg/kg
		Chromium (VI)		1.0 to 2000 mg/kg

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