

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 13 January 2016
to 12 January 2019
Issued on 10 March 2016



ISO/ IEC 17025
TL 003-03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 003-03

Textile Laboratory
SGS Lanka (Pvt) Limited
No 141/7, Vauxahall Street
Colombo 02

Scope of Accreditation: Performing Chemical Testing On (Textile, Phthalate in child care items and toys, Allergeneous and Carcinogenic dyestuff in textile Material, AP/APEO, Chlorinated organic carriers in textile commodity) and Mechanical testing on (Fabrics, Garments, Toys, Accessories and Plastic Films,)

The laboratory is accredited for the tests appear from page 02 to 25

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
Chemical Testing				
1.	Textile	Colour fastness to Dry cleaning	ISO-105-DO1 : 2010	R : 1 to 5 Grade
		Colour fastness to Dry cleaning	EN ISO 105-D01:2010	
		Colour fastness to Dry cleaning	BS EN ISO-105-DO1 : 2010	
		Colour fastness to Dry cleaning	DIN EN ISO-105-D01:2010	
		Colour fastness to Dry cleaning	AATCC 132:2013	
		Colour fastness to Dry cleaning	GB/T 5711	
		Colour fastness to Perspiration	ISO-105-EO4 : 2013	
		Colour fastness to Perspiration	BS EN ISO-105-EO4 : 2013	
		Colour fastness to Perspiration	DIN EN ISO-105-EO4 : 2013	
			GB/T 3922-2013	
			AATCC 15 : 2013	
		Colour fastness to Rubbing	ISO 105-X12 : 2001	
		Colour fastness to Rubbing	BS EN ISO X12 : 2002	
		Colour fastness to Rubbing	DIN EN ISO X12 : 2002	
		Colour fastness to Rubbing	GB/T 3920-2008	
		Colorfastness to Crocking	AATCC 8 : 2013	
		Colour fastness to Hot Pressing	ISO 105-X11 : 1994	
		Colorfastness to Heat: Hot Pressing	BS EN ISO 105-X11 : 1996	
		Colorfastness to Heat: Hot Pressing	AATCC 133:2013	
		Colour fastness to Hot Pressing	GB/T 6152:1997 GB/23314 5:2009	
		Colour fastness to domestic and commercial laundering	ISO-105-CO6 : 2010	
			BS EN ISO 105 C06:2010	
			ISO 105 C10:2006	
			BS EN ISO-105-C10 : 2007	
			DIN EN ISO-105-C06:2010	
		Colorfastness to Laundering: Accelerated	AATCC 61:2013	

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01	Textile	Color fastness to washing	GB/T 3921.1 or 3:2008	R : 1 to 5 Grade	
		Colour fastness to domestic and commercial laundering using a non phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C08:2010		
			DIN EN ISO 105 C08:2010		
			BS EN ISO 105 C08:2010		
		Determination of pH of aqueous extract	ISO-3071 : 2005 BS EN ISO 3071:2006	R : 1 to 14	
		pH of the Water-Extract from Wet Processed Textiles	AATCC 81:2012		
		pH value	GB/T 7573-2009		
		Determination of pH of aqueous extract	BS EN ISO 1413:1998	R : 1 to 15	
		Assessment of the potential to phenolic yellowing of materials	ISO 105:X18:2007	R : 1 to 5 Grade	
		Assessment of the potential to phenolic yellowing of materials	BS EN ISO 105 X18:2007		
		Colour fastness to sea water	BS EN ISO 105-E02 : 2013		
		Colour fastness to sea water	ISO 105 E02:2013		
		Colour fastness to sea water	DIN EN ISO 105 E02:2013		
		Colour fastness to sea water	AS 2001.4.E02:1994		
		Colour fastness to sea water	AATCC 106:2013		
		Colour fastness to water	ISO-105-E01 : 2013		
		Colour fastness to water	AATCC 107:2013		
		Colour fastness to water	BS EN ISO 105 E01:2010		
		Colour fastness to water	DIN EN ISO 105 E01:2013		--
		Colour fastness to water	AS 2001.4.E01:1994		R : 1 to 5 Grade
		Colour fastness to water	DIN EN ISO 105 E10:2010		
		Colour fastness to water	GB/T 5713-2013		
		Colour fastness to non-chlorine bleach	BS EN ISO 105 C09:2003		
		Colour fastness to non-chlorine bleach	EN ISO 105 C09:2003		
		Colour fastness to non-chlorine bleach	DIN EN ISO 105 C09:2003		
		Colour fastness to non-chlorine bleach	ISO 105 C09:2003		

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01	Textile	Colour fastness to ozone	ISO 105 G03:1993 AATCC 109:2011	R : 1 to 5 Grade
		Colour fastness to light	AATCC 16:2012	
		Colour fastness to light	ISO 105-B02:2014	
		Colour fastness to light	BS EN ISO 105 BO2:2013	
		Colour fastness to light	EN ISO 105 BO2:2013	
		Colour fastness to light	DIN EN ISO 105 BO2:2013	
		Colour fastness to light of Textiles wetted with artificial perspiration	GB/T 14576:2009	
		Colour fastness to light of textile wetted with artificial perspiration	ISO 105-B07:2009	
			BS EN ISO 105-B07:2009	
		Colorfastness to Heat(Excluding Pressing)	AATCC 117:2013	
		Colorfastness to dry heat (Excluding Pressing)	ISO 105 P01:1993	
		Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric	AATCC163:2013	
		Colour fastness to chlorinated water	BS EN ISO E03:2010 DIN EN ISO 105 E03:2010 ISO 105 E 03:2010	
			DIN 53160-1:2010	
		Colour fastness to saliva	GBT18886 :2002 § 64 LFGB B 82.10-1 :2009	
			ISO 105 G02 :1993/2009	
		Colour fastness to burn gas fumes	BS EN ISO 105 G02 :1997 AATCC 23:2010	
		Formaldehyde release from fabric, determination of : sealed jar method	AATCC 112:2014	20-600 mg/kg
		Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	BS EN ISO 14184-1:2011	
Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	ISO 14184-1 :2011			
Determination of formaldehyde - Released formaldehyde (vapour absorption method)	BS EN ISO 14184-2:2011			
Determination of formaldehyde - Released formaldehyde (vapour absorption method)	ISO 14184-2: 2011			
Test Methods for Resin Finished Textiles	JIS L 1041: 2011			

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01	Textile	Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	DIN EN ISO 14184-1: 2011	20-600 mg/kg
		Determination of formaldehyde - Released formaldehyde (vapour absorption method)	BS EN ISO 14184-2:2011-12	
		Determination of formaldehyde – (Free &Hydrolyzed formaledehyde)	GB/T 2912.1-2009	
		Quantitative chemical analysis of fibre mixtures Cotton,Polyester,Nylon,Silk,Acrylic,Wool,Viscose,Acetate,Polypropylene,Spandex composition only)	ISO 1833-1 to 12:2006	3-100%
			BS 4407:1988/In accordance with regulation (EU) No.1007/2011 73/44/EEC and 96/73/EC amended by 2006/2/EC	
			CGSB 4.2 NO.14-M88-CAN/CGSB	
		Fiber Analysis: Qualitative Fiber Analysis: Quantitative	AATCC 20:2013 AATCC20A:2014	-
Fiber content	GB/T2910:2009; GB/T2911:1997	3-100%		
02	Phthalate in child care items and toys	Di-Butyl Phthalate (DBP)	RSTS-HL-201-4 (CPSC-CH-C1001-09.3)	0.30 to 10.00 mg/L
		Di-2-Ethyl Hexyl Phthalate (DEHP)		
		Benzyl Butyl Phthalate (BBP)		
		Di Iso Nonyl Phthalate (DINP)		
		Di-N-Octyle Phthalate (DNOP)		
		Di Iso Decyl Phthalate (DIDP)		
		Di iso butyl phthalate (DIBP)		
		Di-n-hexyl phthalate (DnHP)		
		Di-undecyl- phthalate (DUDP)		
		Di-n-pentyl phthalate(DnPP)		
		Bis(2-methoxyethyl) phthalate (DMEP)		
		Di-isopentyl phthalate (DIPP)		
		N-pentyl isopentyl phthalate(NPIPP)		

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02	Phthalate in child care items and toys	Di-iso-heptyl phthalate (DIHP)	RSTS-HL-201-4 (CPSC-CH-C1001-09.3)	0.30 to 10.00mg/L	
		Di-(heptyl, nonyl,undecyl) phthalate (DHNUP)			
		Di-Ethyl Phthalate (DEP)			
		Di-methyl Phthalate (DMP)			
		Di-propyl phthalate (DPrP)			
		Di-phenyl Phthalate (DPhP)			
		Di-Heptyl Phthalate (DnHpP)			
		Di-cyclohexyl-Phthalate (DCHP)			
		Di-iso-octyl Phthalate (DIOP)			
		Di-benzyl Phthalate (DBzP)			
		Di-(2-propyl heptyl) phthalate (DPHP)			
		Di-hexyl Phthalate (DHP)			
		Di-nonyl phthalate (DNP)			
		Di-Butyl Phthalate (DBP)			RSTS-SL-206-3 (Based on EN 14372:2004 (E))
		Di-2-Ethyl Hexyl Phthalate (DEHP)			
		Benzyl Butyl Phthalate (BBP)	8.00 to 120.00mg/L		
		Di Iso-Nonyl Phthalate (DINP)	0.30 to 10.00mg/L		
		Di-N-Octyle Phthalate (DNOP)	8.00 to 120.00mg/L		
		Di-Iso-Decyl Phthalate (DIDP)	0.30 to 10.00mg/L		
		Di-iso-pentyl Phthalate (DIPP)	8.00 to 120.00mg/L 0.30 to 10.00mg/L		
		N-pentylisopentyl Phthalate (NPIPP)			
		Di-n-pentyl Phthalate (DnPP)			
		Bis-(2-methylethyl) Phthalate (DMEP)			
		Di-n-hexyl Phthalate (DnHP)			
		Di-iso-butyl Phthalate (DIBP)			
		Di-iso-heptyl Phthalate (DIHP)			
		Di-decyl Phthalate (DUDP)			
Di-methyl Phthalate(DMP)					
Di-ethyl Phthalate (DEP)					
Di (heptyl,nonyl,undecyl) Phthalate (DHNUP)					

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03	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 1 Disperse Blue 3 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 102 Disperse Blue 106 Disperse Blue 124 Disperse Brown 1 Disperse Orange 1 Disperse Orange 3 Disperse Orange 37/76 Disperse Red 1 Disperse Red 11 Disperse Red 17 Disperse Yellow 1 Disperse Yellow 3 Disperse Yellow 9 Disperse Yellow 39 Disperse Yellow 49 Basic Red 9 Basic violet 14 Disperse Orange 11	RSTS-SL-202-1 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L

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03	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Yellow 23	RSTS-SL-202-1 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L
		Disperse Orange 149		
		Basic Blue 26		
		Acid Red 26		
		Direct Black 38		
		Direct Red 28		
		Basic Violet 3		
		Acid violet 49		
		Solvent yellow 1		
		Solvent yellow 3		
		Solvent yellow 2		
		Direct Blue 6		
		Solvent blue 4		
		4,4'-Bis (dimethylamino)-4''- (methylamino) tritylAlcohol*		
		Direct Brown 95		
p-phenylenediamine				
Navy Blue	0.2mg/L to 50mg/L			
04	AP/APEO	NP (Nonylphenols)	RSTS-CHEM-213-1	LOD3mg/kg
		4-n-Nonnylphenol		
		4-tert-Octylphenol		
		4-n- Octylphenol		
		POE(9 to 10) tert- octyl phenol		
		POE(9 to 10) tert- nonyl phenol		
		POE(12 to 13) tert- octyl phenol		
		POE(4) nonyl phenol		
		4-nonyl phenol-ethoxylate(penta-)		

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05	Chlorinated Organic Carriers In Textile Commodity Articles	2 - Chlorotoluene	RSTS-SL-204-1(BASED ON 54232:2010)	0.004 to 0.1 mg/L
3 - Chlorotoluene				
4 - Chlorotoluene				
1,2 – Dichlorobenzene				
1,3 - Dichlorobenzene				
1,4 - Dichlorobenzene				
2,3 - DiChlorotoluene				
2,4 - DiChlorotoluene				
2,5 – DiChlorotoluene				
2,6 - DiChlorotoluene				
1,3,5 - Trichlorobenzene				
1,2,3 - Trichlorobenzene				
1,2,4 - Trichlorobenzene				
2,3,6 - TriChlorotoluene				
2,4,5 - TriChlorotoluene				
1,2,3,4 - Tetrachlorobenzene				
1,2,3,5 - Tetrachlorobenzene				
1,2,4,5 - Tetrachlorobenzene				
Pentachlorobenzen				
Hexachlorobenzene				
Chlorobenzene				
Pentachlorotoluene				
3,4 - DiChlorotoluene				

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06	Organotin content in textile and plastic materials	Monobutyltin (MBT)	RSTS-SL-205-01 (Based On BS ISO 17353:2004 DIN 38407:13:2001)	0.02 to 5 mg/L
		Dibutyltin (DBT)		
		Tributyltin (TBT)		
		n-Octyltin (MOT)		
		Tetrabutyltin(TeBT)		
		Di-n-Octyltin (DOT)		
		Triphenyltin (TPhT)		
		Tri-Cyclohexyltin (TCyT)		
		Tri-n-octyltin (TOT)		
		Diphenyl tin (DPhT)		
		Monophenyltin (MPhT)		
		Tri-n-propyltin		
07	TCP/TECP in Textiles	2,4,6 -TCP	RSTS-CHEM-203-2 ISO 17070-2006 DIN 53313:1993	0.05 mg/kg LOD
		2,3,6 -TCP		
		2,3,5 -TCP		
		2,4,5 -TCP		
		2,3,4 -TCP		
		3,4,5 -TCP		
		2,3,5,6 - TeCP		
		2,3,4,6 - TeCP		
		2,3,4,5 - TeCP		
		PCP		
		OPP		

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08	Textile/ Textile paint / Print/ Yarns	Biphenyl-4-ylamine 4-Aminodiphenylxenyamine (CAS No. 92-67-1)	RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011	5 - 150 mg/kg
		Benzidine (CAS No. 92-87-5)		
		4-Chloro-o-toluidine (CAS No. 95-69-2)		
		2- naphthylamine (CAS No. 91-59-8)		
		o-Aminoazotoluene 4-amino-2'3- di methyl azo benzene 4-o-tolylazo-o-toluidine (CAS No. 97-56-3)		
		5-nitro-o-toluidine 2- amino-4- nitrotoluene (CAS No. 99-55-8)		
		4-Chloroaniline (CAS No. 106-47-8)		
		4-methoxy-m-phenylenediamine 2,4-Diaminoanisole (CAS No. 615-5-4)		
		4,4'-methylenedianiline 4,4'-diaminodiphenylmethane (CAS No. 101-77-9)		
		3,3'- dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine (CAS No. 91-94-1)		
		3,3'-dimethoxybenzidine o-dianisidine (CAS No. 119-90-4)		
		3,3'- dimethylbenzidine 4,4'-bi-o-Toluidine (CAS No. 119-93-7)		
		4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)		
		6-Methoxy-m-toluidine p-cresidin (CAS No. 120-71-8)		
		4,4'-Methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'- methylene-dianiline (CAS No. 101-14-4)		
4,4'-oxydianiline (CAS No. 101-80-4)				

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
08	Textile/ Textile paint / Print/ Yarns	4,4'-Thiodianiline (CAS No. 139-65-1)	RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011	5 - 150 mg/kg
		o-Toluidine 2-aminotoluene (CAS No. 95-53-4)		
		4-methyl-m-phenylenediamine 2,4-Toluylenediamine 2,4-diaminotoluene (CAS No. 95-80-7)		
		2,4,5-trimethylaniline (CAS No. 137-17-7)		
		o-anisidine 2-methoxyaniline (CAS No. 90-04-0)		
		4-Aminoazobenzene (CAS No. 60-09-3)		
		2.4-dimethylaniline (CAS No. 87-62-7)		
		2.6-dimethylaniline (CAS No. 95-68-1)		
		4-aminobenzene (CAS No. 60-09-3)		
		09	Metal Objects Jewelries	
Determination of Nickel Release	RSTS-HL-101-5 (Based on BS EN 12472:2005 + A1:2009) &RSTS-HL-101-1 (Based on EN 1811: 2011 + AC: 2012)			0.01-1µg/cm ² /week
10	Leather	Determination of Chromium(VI)	RSTSCHEM-104-1 (Based on ISO 17075: 2007)	0.2 – 10 mg/kg
11	Heavy Metals in Toy materials (Migration of certain elements)	Lead	RSTS-chem-110-2 ASTM F963-11 EN 71-3: 2013+A1:2014	0.001 – 500 mg/kg
		Cadmium		0.001 – 200 mg/kg
		Chromium		0.0002 – 200 mg/kg
		Barium		0.05 – 500 mg/kg
		Antimony		0.05 – 200 mg/kg
		Arsenic		0.001- 200 mg/kg
		Mercury		10– 200 µg/kg

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11	Heavy Metals in Toy materials (Migration of certain elements)	Selenium	RSTS-HL-110-2 ASTM F963-11 EN 71-3: 2013+A1:2014	6– 200 mg/kg
		Aluminium		0.05-500 mg/kg
		Boron		0.0001-10 mg/kg
		Chromium		0.001-10 mg/kg
		Cobalt		0.05-500 mg/kg
		Copper		0.05-500 mg/kg
		Manganese		
		Nickle		
		Strontium		
		Tin		0.005 -10 mg/kg
		Zinc		0.05-500 mg/kg
12	Paint & other similar surface coatings	Lead	CPSC-CH-E1003-09.1, 2011 ASTM E1645-01 16 CFR 1303, 2009	5 – 600 mg/kg
13	Metal objects (Children’s products)	Total lead	CPSC-CH-E1001-08.3, 2012 ASTM E1645-01	5 – 600 mg/kg
14	Non-Metal objects (Children’s products)	Total lead	CPSC-CH-E1002-08.3, 2012 ASTM E1645-01	5 – 600 mg/kg
15	Plastic, Fabric & Glass(plastic beads, toys)	Total lead	RSTS-HL-102-2, 2011 ASTM E1645-01	5 – 600 mg/kg
	Ceramics			
16	Textile (leather,pu leather, textile, rubber, silica gel pellet)	Dimethyl Fumarate	RSTS-SL-233-1,2010	0.01- 0.5 mg/L
17	PFOS/PFOA	Perfluorooctanoic acid (PFOA)	RSTS-CHEM-219-1,2009	LOD 1.00 mg/kg
		Heptadecafluorooctanesulfonic acid (PFOS)		
		Perfluorooctanesulphonamide (PFOSA)		

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18	PAHs	Naphthalene	RSTS-CHEM-232-1	0.03 – 3 ppm
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Fluoranthene		
		Pyrene		
		Benzo(a)anthracene		
		Chrysene		
		Benzo(b)fluoranthene		
		Benzo(k)fluoranthene		
		Benzo(a)pyrene		
		Indeno(1-,2,3-cd)pyrene		
Dibenzo(ah)anthracene				
Benzo(ghi)perylene				
19	Metal Objects Jewelries	Qualitative determination of free Nickel (Spot Test)	RSTS-CHEM-105-6 (based on CR 12471)	≥ 0.5 ppm
		Determination of Nickel Release	RSTS-HL-101-5 (Based on BS EN 12472:2005 + A1:2009) &RSTS-HL-101-1 (Based on EN 1811: 2011 + AC: 2012)	0.01-1.00µg/cm ² /week
20	Leather	Determination of Chromium(VI)	RSTSCHEM-104-1 (Based on ISO 17075: 2007)	0.2-10mg/kg
GB/T 22705: 2008 – The National Standard of the People’s Republic of China R-Range of test				

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Mechanical Testing				
01	Fabrics	Standard for the Flammability of Clothing Textiles (Vertical)	ISO 6941:2003 BS EN ISO 6941:2003 DIN EN ISO 6941:2003 ISO 6940:2004 BS EN ISO 6940:2004 DIN EN ISO 6940:2004 BS EN ISO 1103:2005 BS 5722:1991 BS 5438:1989 BS 5651:1978	1-25 sec.
			CAN/CGSB-4.2 No27.3:1994 CAN/CGSB-4.2 No27.4:2008 CAN/CGSB-4.2 No. 27.5-2008	1.0 to 2 min
			EN 1103:2005 BS EN 1101:2005 BS EN 1102:1996 BS EN 1103:2005 ISO 15025:2000 FZ/T81001-2007	1.0 to 2 min
		Burning behavior of children night wear	BS EN 14878:2007 EN 14878 : 2007	Up to 120 s
		Children Sleep wear	16 CFR 1615/1616:2004	1 to 25 cm
		Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method	ISO 12945-1 :2000/ BS EN ISO 12945-1:2001/	Grade 1-5/ Qualitative
		Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method	ISO 12945-2:2000/ BS EN ISO 12945-2:2000	
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D 4970 – 2010	
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D 3512 – 2010(2014)	
		Yarn Count	ASTMD 1059:2011 ISO 7211-5:1984	5-120 Ne
		Width of Textile Fabric	ASTM D 3774 – 2012	1 cm - 200 cm
			ISO 3932:1976 ISO 22198 : 2006	
		Standard for the Flammability of Clothing Textiles-Apparel (45°AFC)	16 CFR 1610 :2008 ASTM D 1230:2010 CAN/CGSB-4.2 No27.5:2008 CAN/CGSB4.2 No.27.6:2004	1-25 sec.

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01	Fabrics	Tear properties of fabrics Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	ISO 13937-1:2000/ BS EN ISO 13937-1:2000 DIN EN ISO 13937-1:2000-06	0 to 64 N		
		Tearing strength of fabrics by falling - pendulum (Elmendorf - type) Apparatus	ASTM D 1424 -2013			
		Method 2.8: Determination of tear force of fabrics using the ballistic pendulum method (Elmendorf)	AS 2001.2.8 - 2001			
				Tearing strength of fabrics by the tongue (single rip) procedure (CRE TENSILE TESTING MACHINE)	ASTM D2261:2013/ ISO 13937-2:2000/ BS EN ISO 13937-2:2000 DIN EN ISO 13937-2(2000-06)	0 to 500 N
				Tear strength	GB/T 3917.2: 2008	
				Determination of the abrasion resistance of fabrics by the Martindale method	BS EN ISO 12947-1 to 4:1999/ ISO 12947-1 to 4:1998	a) Up to 99999 Cycles b) Colour Change: Grade 1 to 5 (Qualitative)
				Abrasion resistance of textile materials	ASTM D 4966:2012	
02	Fabrics / Garment / Films & Sheeting	Determination of thickness by mechanical screening	ISO 5084 : 1996	0.01 to 10.0 mm		
		Test method for non wovens Determination of thickness	ISO 9073-2:1995			
		Measuring the nominal thickness of geo synthetics	ASTM D 5199:2012 ASTM D 1777:2011			
		Determination of thickness by mechanical screening	ISO 4593:1993			
03	Fabric/ Garments	Dimensional Stability to washing	GB/T 8629, FZ/T80007.3	-15 % to 15 % (As per M & S template)		
		Domestic washing and drying procedures for textile testing - Dimensional Change	BS EN ISO 6330:2012 ISO 6330:2012 DIN EN ISO 6330:2013			
		Dimensional Changes of Fabrics after Home Laundering	AATCC 135/150-2012			
		Dimensional change -Domestic washing and drying procedures for textile testing	AS 2001.5.4.2005			

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03	Fabric/ Garments	Dimensional stability to steaming	ASTM D3780:2014	-10 % to 5 %	
		Dimensional stability to steaming	BS 4323:1979		
		Dimensional stability to steaming	ISO 3005:1978		
		Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179-2012	0-10%	
		Determination of spirality after laundering - Percentage of wale spirality change in knitted garments	ISO 16322-1:2005		
		Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179-2012	0-10%	
		Determination of spirality after laundering - Percentage of wale spirality change in knitted garments	ISO 16322-1:2005		
		Determination of spirality after laundering - Woven & knitted fabrics	ISO 16322-2:2005		
		Determination of spirality after laundering - Woven & Knitted Garments	ISO 16322-3:2005		
		Bow & Skewness	BS 2819:1990		
		Measuring Bow & Skew	ASTM D3882:2008(2012)	0-30%	
		Bow & Skewness	ISO 13015:2013	0-30%	
		Apperance after washing	GB method) / GB/T 2662 4.4.1	Qualitative	
		Appearance of apparel and other textile end products after repeated home laundering	AATCC 143:2014		
		Smoothness appearance of fabrics after repeated home laundering	AATCC 124:2014		
		Appearance retention of garment / fabric	LTEX/TM/SOP/026(revised 10.05.2014)		
		Smoothness of Seams in Fabrics after Repeated Home Laundering	AATCC 88B/88C-2014		
		Durability after washing	LTEX/TM/SOP/27(revised 10.05.2014)		
		Mace snagging	ASTM D3939:2013		1-5 grade
		Water repellency: Spray rating	AATCC 22:2014		0-100 1-5 grade
ISO 4920:2012					
BS EN 24920:1992					

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
03	Fabrics/Garm ents	Determination of mass per unit length and mass per unit area	ISO 3801:1977 (Method 3)/ BS 2471:2005 Amended 1 (Method 3)	5 to 400 g/sq.m
		Determination of mass per unit area using small samples	BS EN 12127 : 1998 DIN EN 1049-2:1994	
		Mass Per Unit Area (Weight) of Fabric	ASTM D 3776 : 2013	
		Construction Methods of analysis Part 2: Determination of number of threads per unit length	ISO 7211-2-1984 (E)/ BS EN 1049-2:1994	Up to 100 ends & picks/inch Upto100 wales & courses per inch
		Warp (End) and Filling (Pick) Count of Woven Fabrics	ASTM D 3775 – 2012	
		Knitted fabrics - Wales and Courses	BS5441:1988 DIN EN 53883:1983	
		Tolerances for Knitted Fabrics - Wales and Courses	ASTM D 3887 – 96(2008)	
		Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method	ISO 13934-2:2014 BS EN ISO 13934-2:2014 DIN EN ISO 13934-2:1999-04	1.0 to 5000 N
		Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D 5034 – 2013	
		Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method	ISO 13934-1: 2013 BS EN ISO 13934-1:2013 DIN N ISO 13934-1:2012-10	
		Breaking Force and Elongation of Textile Fabrics (Strip Method)	ASTM D 5035 – 2011	
		Methods of test for Elastic fabrics	BS 4952:1992	0 to 100N
		Determination of the elasticity of fabrics Part 1: Strip tests	BS EN 14704-1:2005	
		Determination of the elasticity of fabrics Part 1: Strip tests	EN 14704-1:2005	
Determination of the elasticity of fabrics Part 1: Strip tests	DIN EN 14704-1:2005			

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
03	Fabrics/ Garments	Determination of the elasticity of fabrics Strip tests	ASTM D 3107:2011	0 to 100 N
		Determination of the elasticity of fabrics Strip tests	ASTM D2594(2004) 2012	
		Seam slippage	GB/T 2660-2008 appendix B	0 to 500 N
		Determination of the slippage resistance of yarns at a seam in woven fabrics Part 1: Fixed seam opening method	ISO 13936-1:2004 BS EN ISO 13936-1:2004 DIN EN ISO 13936-1:2004	
		Determination of the slippage resistance of yarns at a seam in woven fabrics Part 2: Fixed load method	ISO 13936-2:2004/ BS EN ISO 13936-2:2004 DIN EN ISO 13936-2(2004-07) EN ISO 13936-2:2004	
		Determination of slippage resistance of yarns in woven fabrics: seam method	BS 3320:1988	
		Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam	ASTM D 434 – 1995	
		Seam tensile properties of fabrics and made-up textile articles Part 1: Determination of maximum force to seam rupture using the strip method	ISO 13935-1:2014 BS EN ISO 13935-1:2014 EN ISO 13935-1:2014 DIN EN ISO 13935-1:2014	
		Seam tensile properties of fabrics and made up textile articles - Determination of maximum force to seam rupture using the grab method	ISO 13935-2:2014 BS EN ISO 13935-2:2014	
		Standard Test Method for Failure in Sewn Seams of Woven Apparel Fabrics	ASTM D 1683 - 2011	
		Bursting properties of fabrics Part 1:Hydraulic method for determination of bursting strength & bursting distension	ISO 13938-1:1999/ BS EN ISO 13938-1:1999 DIN EN ISO 13938-1:1999	0.5 kPa - 6000 kPa
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ASTM D 3786/D3786M – 2013	
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ISO 13938-2:1999/ BS EN ISO 13938-2:1999 DIN EN ISO 13938-2:1999	

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
04	Accessories/ Toys	Attachment strength	BS 7907:2007	0 to 5000 N
		Tension Test	EN 71-1:2011/ BS EN 71-1:2011	
		Resistance to Unsnapping of snap fastness	ASTM D 4846:1996(2011)	
		Standard Consumer Safety Specification for Toy Safety	ASTM F 963 – 2011 (Requirements of 16 CFR 1500.3 (c) (6)(vi))	
05	Toys/ Garments/ Garment Accessories	Safety of toys mechanical and physical properties:	EN 71-1:2011+A3:2014 EN 71-1:2014(E) BS EN 71-1:2014(E)	Qualitative
		General requirements:		
		Material cleanliness	4.1	
		Assembly	4.2	
		Flexible plastic sheeting	4.3	
		Toy bags	4.4	
		Glass	4.5	
		Expanding materials	4.6	
		Edges	4.7	
		Points and metallic wires	4.8	
		Protruding parts	4.9	
		Parts moving against each other	4.10	
		Mouth-actuated toys and other toys intended to be put in the mouth	4.11 < Excluding the following > 4.11c) and 4.11e)	
		Balloons	4.12	
		Cords of toy kites and other flying toys	4.13	
		Enclosures	4.14	
Toys intended to bear the mass of a child	4.15 < Excluding the following > 4.15.1.3, 4.15.1.5, 4.15.1.6, 4.15.2, 4.15.5.3 and 4.15.5.5			
Heavy immobile toys	4.16			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
05	Toys/ Garments/ Garment Accessories	Percussion caps specifically designed for in toys and toys using percussion caps	4.19	Qualitative
		Small balls	4.22	
		Yo-yo balls	4.24	
		Toys intended for children under 36 months:		
		General requirements	5.1	
		Soft-filled toys and soft-filled parts of a toy	5.2	
		Plastic sheeting	5.3	
		Cords, chains and electric cables in toys	5.4	
		Glass and porcelain	5.7	
		Shape and size of certain toys	5.8	
		Toys comprising monofilament fibres	5.9	
		Small balls	5.10 5.11	
		Hemispheric-shaped toys	5.12	
		Suction cups	5.13	
		Straps intended to be worn fully or partially around the neck	5.14	
		Packaging	6	
		Warning and instructions for use	7	
		Test method	8	
		Small Parts	8.2	
		Torque	8.3	
		Drop test	8.5	Qualitative
		Tension	8.4	5.8 N to 234N
		Compression	8.8	
		Flexibility of wires	8.13	
		Sharp point	8.12	Qualitative
		Sharp edge	8.11	
		Cords on toy	8.40	220mm to 300mm
		Film thickness	8.25	0.01 to 10.0 mm

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	
05	Toys/ Garments/ Garment Accessories	Physical and mechanical tests;	ASTM F963-2011 As per the section numbers given below	Qualitative	
		Material Quality (Visual Inspection)	4.1		
		Small objects	4.6 < Excluding the following > 4.6.2		
		Accessible edges	4.7		
		Projections	4.8		
		Accessible points	4.9		
		Wires or rods	4.10		
		Nails and fasteners	4.11		
		Plastic film	4.12		
		Folding mechanisms and hinges	4.13		
		Cords, straps, and elastics	4.14		
		Confined spaces	4.16		
		Wheels, tires and axles	4.17		
		Holes, clearance and accessibility of mechanisms	4.18		
		Simulated protective devices	4.19		
		Pacifiers	4.20 <Excluding the following> 4.20.1		
			Projectile toys		4.21
			Teethers and teething toys		4.22
		Rattles	4.23		
		Squeeze toys	4.24		
Toys intended to be attached to a crib or playpen	4.26				
Stuffed and beanbag-type toys	4.27				
Drawstrings	ASTM F1816-97	220mm to 300mm			
	ASTM F 963- 2011 (16 CFR Part 1120)				
06	Plastic films	Tensile properties of thin plastic sheeting	ASTM D882:2012 < Excluding the following > 10.9 & 10.10	2.04 kg to 407.7 kg	

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Toys	Stroller and carriage toys	4.28	Qualitative
		Toy gun marking	4.30	
		Balloons	4.31	
		Certain toys with spherical ends	4.32	
		Marbles	4.33	
		Balls	4.34	
		Pompoms	4.35	
		Hemispheric-shaped objects	4.36	
		Yo yo elastic tether toys	4.37	
		Labeling requirements	5	
		Instructional literature	6	
		Producer's markings	7	
		Test methods	8	
		Normal Use Testing Abuse Testing	8.5	
			8.6	
		Impact Tests	8.7	
		Torque Tests for Removal of Components	8.8	
		Tension Test for Removal of Components	8.9	5.8 N to 234N
		Compression Test	8.10	5.8 N to 234N
		Flexure Test	8.12	5.8 N to 234N
		Packaging Film Thickness	8.21	0.01 to 10.0 mm
		Physical and mechanical tests;	AS/NZS ISO 8124-1: 2013 ISO 8124-1:2014(E)	Qualitative
Normal use	4.1			
Reasonably foreseeable abuse	4.2			
Material	4.3			

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Toys	Small parts	4.4	Qualitative
		Shape, size and strength of certain toys	4.5	
		Edges	4.6	
		Points	4.7	
		Projections	4.8	
		Metal wires and rods	4.9	
		Plastic film or plastic bags in packaging and in toys	4.10	
		Cords and elastics	4.11	
		Folding mechanisms	4.12	
		Holes, clearances and accessibility of mechanisms	4.13	
		Springs	4.14	
		Mouth-actuated toys	4.25 < Excluding the following > 4.25c)	
		Safety labelling guidelines	AS/NZS ISO 8124-1: 2013 ISO 8124-1:2014(E) Annex C (Informative)	
		Technical requirements for determining a sharp point	ASTMF 963- 2011 (16 CFR 1500.48)	
		Technical requirements for determining a sharp metal or glass edge	ASTMF 963- 2011 (16 CFR 1500.49)	
		Test methods for simulating use and abuse of toys intended for use by children	ASTMF 963- 2011 16 CFR 1500.50, 1500.51, 1500.52 and 1500.53	
		Impact test		
		Flexure test		
		Torque test	ASTMF 963- 2011 16 CFR 1500.50, 1500.51, 1500.52 and 1500.53	
		Tension test		5.8 N to 234N
Compression test	5.8 N to 234N			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	
07	Toys	Method for identifying choking, aspiration, or ingestion hazards because of small parts	ASTM F 963- 2011 16 CFR 1501 in conjunction with test methods specified in 16 CFR 1500.51 or 16 CFR 1500.52 [excluding bite test to 1500.51(c) or 1500.52 (c)]	Qualitative	
		Flammability tests;	ASTM F 963- 2011 (16 CFR Parts 1610 and 1500.44)		(3.5-7.0)sec (0-0.1)inch/sec (10- 30)mm/sec (10- 30)mm/sec
			ASTM F963-11 Cl. 4.2		
			AS/NZS ISO 8124.2: 2009		
			ISO 8124.2: 2014 (E)		
			BS EN 71-2: 2011+A1:2014		
			New EN 71-2+A1 :2014E		
<Excluding the following> for the above two standards Tests for flammable gases and flammable gels					
Safety toys Part 2:Flammability	EN 71-2+A :2014				
09	Garments/ Garment Accessories	Safety Specifications for Cords and Drawstrings on Children's Clothing (for Children below 14years old)	GB/T 22705 -2008	0 to 30mm	