

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



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Issued on 22 July 2019



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, Vauxhall Street
Colombo 02

Scope of Accreditation: Performing Chemical Testing on Textile and textile commodities/Articles, Fabrics, Childcare items and toys, and plastic materials and Mechanical Testing on Fabrics, Garments, Toys, Accessories, Plastic films, Metal & Non-metal Objects, Jewelries, Leather, Paints & Similar Surface Coating, Glass materials, Ceramics & footwear

The laboratory is accredited for the tests appear from page 02 to 37;

Di	Product(s) / Material of test	Specific tests performed	Test Method /Standard against which tests are performed	Range of testing/ Limits of detection
Chemical Testing				
01	Textile	Colour fastness to Dry cleaning	ISO-105-DO1 : 2010 EN ISO 105-D01:2010 BS EN ISO-105-DO1: 2010 DIN EN ISO-105-D01:2010-10	R: 1 to 5 Grade
			GB/T 5711:2015	
			AATCC 132:2013	
		Colour fastness to Perspiration	ISO-105-EO4 : 2013 BS EN ISO-105-EO4 : 2013 DIN EN ISO-105-EO4 : 2013 EN ISO -105-E04:2014	
			GB/T 3922-2013	
			AATCC 15 : 2013	
		Colour fastness to Rubbing	ISO 105-X12 : 2016 BS EN ISO X12 : 2016 DIN EN ISO X12 : 2016-02 EN ISO X12 : 2016	
			GB/T 3920-2008	
			AATCC 8 : 2016	
		Colour fastness to Hot Pressing	ISO 105-X11 : 1994 BS EN ISO 105-X11 : 1996 EN ISO 105-X11 : 1996 DIN EN ISO 105-X11 : 1996-10	
			GB/T 6152 :1997	
			AATCC 133:2013	
		Colour fastness to domestic and commercial laundering	ISO-105-CO6 : 2010 BS EN ISO 105 C06:2010 EN ISO-105-C06:2010 DIN EN ISO-105-C06:2010-08	
		Colorfastness to Laundering: Accelerated	AATCC 61:2013	
Colour fastness to washing with soap or soap and soda	ISO 105 C10:2006 BS EN ISO-105-C10 : 2007 DIN EN ISO-105-C10 : 2007-06 EN ISO-105-C10 : 2007			
Color fastness to washing	GB/T 3921.1 or 3:2008			
Colour fastness to domestic and commercial laundering using a non phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C08:2010 EN ISO 105 C08:2010 BS EN ISO 105 C08:2010 DIN EN ISO 105 C08:2010			

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01	Textile	Determination of pH of aqueous extract	ISO-3071 : 2005 BS EN ISO 3071:2006 DIN EN ISO 3071:2006 EN ISO 3071:2006-03	R : 1 to 14
			GB/T 7573-2009	
			AATCC 81: 2016	
		Assessment of the potential to phenolic yellowing of materials	ISO 105:X18:2007 BS EN ISO 105 X18:2007 DIN EN ISO 105 X18:2007-12 EN ISO 105 X18:2007	R : 1 to 5 Grade
		Colour fastness to sea water	BS EN ISO 105-E02 : 2013 ISO 105 E02:2013 DIN EN ISO 105 E02:2013 EN ISO 105 E02:2013	
			AS2001.4.E02:2001(R2016)	
			AATCC 106:2013	
		Colour fastness to water	ISO-105-E01 : 2013 BS EN ISO 105 E01:2013 EN ISO 105 E01:2013 DIN EN ISO 105 E01:2013-06	
			GB/T 5713-2013	
			AATCC 107:2013	
AS 2001.4.E01:2001(R 2016)				
Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering	AATCC 172:2016			
Colour fastness to non chlorine bleach	BS EN ISO 105 C09:2003 EN ISO105 C09:2003+A1:2007 DIN EN ISO 105 C09:2007-10 ISO 105 C09:2001+Amd1:2003			
Colour fastness to light	AATCC 16.3:2014			
	ISO 105-B02:2014 BS EN ISO 105 BO2:2014 DIN EN ISO 105 BO2:2014 EN ISO 105 BO2:2014			

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01	Textile	Colour fastness to light of Textiles wetted with artificial perspiration	GB/T 14576:2009	R : 1 to 5 Grade	
			ISO 105-B07:2009 BS EN ISO 105-B07:2009 DIN EN ISO 105-B07:2009-10 EN ISO 105-B07:2009		
		Colorfastness to Heat(Excluding Pressing)	AATCC 117:2013		
			ISO 105 P01:1993 BS EN ISO 105 P01:1995 DIN EN ISO 105 P01:1995-04 EN ISO 105 P01:1995		
		Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric	AATCC163:2013		
		Colour fastness to chlorinated water	ISO 105 E03:2010 BS EN ISO E03:2010 DIN EN ISO 105 E03:2010-08 EN ISO 105 E03:2010		
		Colour fastness to chlorinated pool water	AATCC 162:2011		
		Colour fastness to saliva	DIN 53160-1:2010 -10		
			GBT18886 :2002 § 64 LFGB B 82.10-1		
		Colour fastness to burn gas fumes	ISO 105 G02 :1993/Cor:2009 BS EN ISO 105 G02 :1997 DIN EN ISO 105 G02 :1997-07 EN ISO 105 G02 :1997		
			AATCC 23:2015		
		Formaldehyde release from fabric, determination of sealed jar method	AATCC112:2014		16-600 mg/kg
		Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	ISO 14184-1 :2011 BS EN ISO 14184-1:2011 EN ISO 14184-1:2011 DIN EN ISO 14184-1: 2011		20-600 mg/kg
Determination of formaldehyde - Released formaldehyde (vapour absorption method)	ISO 14184-2: 2011 BS EN ISO 14184-2:2011 EN ISO 14184-2:2011 DIN EN ISO 14184-2:2011				
Test Methods for Resin Finished Textiles	JIS L 1041: 2011				

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01	Textile	Determination of formaldehyde – (Free &Hydrolyzed formaldehyde)	GB/T 2912.1-2009	20-600 mg/kg
		Quantitative chemical analysis of fibre mixtures (Cotton, Polyester, Nylon, Silk, Acrylic, Wool, Viscose, Acetate, Polypropylene, Spandex composition only)	ISO 1833-1:2006/Cor 1:2009 ISO1833-4:2017 ISO 1833-6:2007 ISO 1833-7:2017 ISO 1833-11:2017 ISO1833-2/3/5/8/9/10/12:2006	0% -100%
			BS4407:1988/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-M88-2005 CAN/CGSB	
		Fiber Analysis: Qualitative Fiber Analysis: Quantitative	AATCC 20:2013 AATCC 20A:2017	
Fiber content	GB/T2910; GB/T2911etc			
02	Phthalate in child care items and toys	Di-Butyl Phthalate (DBP)	RSTS-HL-201-4 (CPSC-CH-C1001-09.4)	(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)		
		Di-iso-heptyl phthalate (DIHP)		
Di(heptyl, nonyl.undecyl) phthalate (DHNU)				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
02	Phthalate in child care items and toys	DiEthyl Pnthalate (DEP)	RSTS-HL-201-4 (CPSC-CH-C1001-09.4)	(0.30 to 10.00) mg/L
		Dimethyl Phthalate(DMP)		
		Dipropyl phthalate(DPrP)		
		Diphenyl Phthalate(DPhP)		
		DiHeptyl Phthalate(DnHpP)		
		Dicyclohexyl Phthalate(DCHP)		
		Diisooctyl Phthalte(DIOP)		
		Dibenzyl Phthalte(DBzP)		
		Di-(2-propyl heptyl) phthalate(DPHP)		
		Dihexyl Phthalate(DHP)		
		Diundecyl Phthalate (DDP)		
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)		
		Dinonyl Pthalate (DNP)		
		Di-Butyl Phthalate (DBP)		
		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)		
		Diisopentyl Phthalate (DIPP)		
		N-pentyl isopentyl Phthalate (NPIPP)		
		Di-n-pentyl Phthalate (DnPP)		
Bis(2-methylethyl) Phthalate(DMEP)	(1.00 to 30.00) mg/L			
Di-n-hexyl Phthalate (DnHP)	(1.00 to 30.00) mg/L			
Diisobutyl Phthalate(DIBP)	(1.0 to 30.00) mg/L			

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02	Phthalate in child care items and toys	Diisooheptyl Phthalate (DIHP)	RSTS-CHEM-206-3 (Based on EN 14372:2004 (E))	(8.00 to 120.00) mg/L
		Didecyl Phthalate (DUDP)		(1.00 to 30.00) mg/L
		Dimethyl Phthalate(DMP)		
		Diethyl Phthalate (DEP)		
		Di(heptyl,nonyl,undecyl) Phthalate (DHNUP)		
03	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 1	(1.) RSTS-SL-202-1 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L
		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				

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03	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Orange 11	(1.) RSTS-SL-202-1 (BASED ON DIN 54231:2005 & 64 LFGB BVL B 82.02.10-2007, GB/T 20382/20383:2006 (mod) GB/T 30398/30399:2013 (mod)	0.4mg/L-1.0 mg/L
		Disperse Yellow 23		
		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		
		Disperse Red 151		
		Disperse yellow 7		
		Disperse yellow 56		
Basic green 4				
Basic green 4 oxalate				
Basic green 4 chloride				
Navy Blue	0.2mg/L-50 mg/L			
04	AP/APEO	NP (Nonylphenols)	RSTS-CHEM-213-1 (ISO 18218-1:2015) (ISO 18254: 2016)	LOD 3mg/kg
		4-n-Nonnylphenol		

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04	AP/APEO	4-tert-Octylphenol	RSTS-CHEM-213-1 (ISO 18218-1:2015) (ISO 18254: 2016)	LOD 1mg/kg
		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-)		
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				

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05	Chlorinated organic carriers in textile commodity articles	Chlorobenzene	RSTS-SL-204-1(BASED ON 54232:2010)	0.004 to 0.1 mg/L
		Pentachlorotoluene		
		3,4 - DiChlorotoluene		
		α α α- Trichlorotoluene		
		2.3.4.6- Tetrachlorotoluene		
		2.3.5.6- Tetrachlorotoluene		
		2.3.4.5- Tetrachlorotoluene		
06	Organotin content in textile and plastic materials	Monobutyltin (MBT)	(1.)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		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
		Trimethyltin (TMT)		
		Tetraethyltin (TeET)		
Di-n-propyltindichloroide(DPrOT)				

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07	TCP/TECP in Textiles	2,4,6 -TCP	RSTS-CHEM-203-2 ISO 17070-2015 DIN 53313:1993 & 64 LFGB, B 82.02.8-2001	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		
08	Textile/ Textile paint / Print/ Yarns	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011 RSTS-CHEM-201-14 (Based on ISO 14362-1:2017 EN ISO 14362-1:2017)	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 (CAS No. 97-56-3)		
		2- amino-4- nitrotoluene (CAS No. 99-55-8)		
		4-Chloroaniline (CAS No. 106-47-8)		
		2,4-Diaminoanisole (CAS No. 615-5-4)		
		4,4'- diaminodiphenylmethane (CAS No. 101-77-9)		
		3,3'- dichlorobenzidine (CAS No. 91-94-1)		
		3,3'-dimethoxybenzidine (CAS No. 119-90-4)		
		3,3'- dimethylbenzidine (CAS No. 119-93-7)		

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08	Textile/ Textile paint / Print/ Yarns	4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)	RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011 RSTS-CHEM-201-14 (Based on ISO 14362-1:2017 EN ISO 14362-1:2017)	5 - 150 mg/kg
		6-Methoxy-m-toluidine (CAS No. 120-71-8)		
		4,4'-Methylene-bis-(2-chloro-aniline) (CAS No. 101-14-4)		
		4,4'-oxydianiline (CAS No. 101-80-4)		
		4,4'-Thiodianiline (CAS No. 139-65-1)		
		o-Toluidine (CAS No. 95-53-4)		
		2,4-Toluylenediamine (CAS No. 95-80-7)		
		2,4,5-trimethylaniline (CAS No. 137-17-7)		
		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)	RSTS-CHEM-201-9 (Based on BS EN 14362-3: 2012) GB/T 23344: 2009 RSTS-CHEM-201-15 (Based on ISO 14362-3: 2017 EN ISO 14362-3:2017))	
09	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-CHEM-105-5 (Based on BS EN 12472:2005 + A1:2009) and EN 1811: 2011 + A1: 2015)	0.01 - 1 µg/cm ² /week
10	Leather	Determination of Chromium(VI)	RSTS-CHEM-104-6 (Aging) RSTS-CHEM-104-1 (ISO 17075-1)	0.2 – 10 mg/kg
11	Heavy Metals in Toy materials (Migration of certain elements)	Lead	RSTS-CHEM-110-2 ASTM F963-2016 C1. 4.3 EN 71-3: 2013+A3:2018 EN 71-3: 2013+A2:2017 ISO 8124-3:2010+A1:2014 AS/NZS 8124.3;2012+A1:2016	0.001 – 5 mg/kg
		Cadmium		0.001 – 5 mg/kg
		Chromium		0.0002 – 5 mg/kg
		Barium		0.05 – 5mg/kg
		Antimony		0.05 – 5 mg/kg
		Arsenic		0.01- 5 mg/kg

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12	Textile/ Textile paint / Print/ Yarns	Mercury	RSTS-CHEM-110-2 ASTM F963-2016 C1. 4.3 EN 71-3: 2013+A3:2018 EN 71-3: 2013+A2:2017 ISO 8124-3:2010+A1:2014 AS/NZS 8124.3;2012+A1:2016	5-50 µg/kg
		Selenium		0.1– 5 mg/kg
		Aluminium		0.05-5 mg/kg
		Boron		0.05-5 mg/kg
		Chromium		0.0001-5 mg/kg
		Cobalt		0.001-5 mg/kg
		Copper		0.05-5mg/kg
		Manganese		0.05-5 mg/kg
		Nickle		0.05-5 mg/kg
		Strontium		0.05-5 mg/kg
		Tin		0.005 -5 mg/kg
		Zinc		0.05-5 mg/kg
13	Paint & other similar surface coatings	Lead	CPSC-CH-E1003-09.1, ASTM E1645-01, 16 CFR 1303	5 – 600 mg/kg
14	Metal objects (Children's products)	Total lead	CPSC-CH-E1001-08.3, ASTM E1645-01	5 – 600 mg/kg
15	Non-Metal objects (Children's products)	Total lead	CPSC-CH-E1002-08.3, ASTM E1645-01	5 – 600 mg/kg
16	Plastic, Fabric & Glass (plastic beads, toys)	Total lead	RSTS-CHEM-109-2, ASTM E1645-01	5 – 600 mg/kg
	Ceramics			
17	Textile (leather, pure leather, textile, rubber, silica gel pellet)	Dimethyl Fumarate	RSTS-SL-233-1	0.01- 0.5 mg/L
18	PFOS/PFOA	Perflurooctanoic acid (PFOA)	RSTS-CHEM-219-1 (Based on CEN/TS15968:2010 GB/T29493.2:2013)	LOD 1.00 mg/kg
		Heptadecafluorooctanesulfonic acid (PFOS)		

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18	PFOS/PFOA	Perfluorooctane sulphonamide (PFOSA)	RSTS-CHEM-219-1	LOD 1.00 mg/kg
19	PAHs	Naphthalene	RSTS-CHEM-232-1 (EPA 610, AfPS GS 2014:01 PAK)	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		
		Benzo(e)pyrene		
		Benzo(j)fluoranthene		
		Cyclopenta(c,d)pyrene		
		Dibenzo(al)pyrene		
Dibenzo(ae)pyrene				
Dibenzo(ai)pyrene				
Dibenzo(ah)pyrene				
1-Methylpyrene				

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20	Phthalate in child care items and toys	Di-Butyl Phthalate (DBP)	RSTS-Chem-206-6 (CPSC-CH-C1001-09.4 ISO 14389:2014)	(0.3 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)		
		Di-iso-heptyl phthalate (DIHP)		
		Di(heptyl, nonyl.undecyl) phthalate (DHNUP)		
		DiEthyl Pnthalate (DEP)		
		Dimethyl Phthalate(DMP)		
		Dipropyl phthalate(DPrP)		
		Diphenyl Phthalate(DPhP)		
		DiHeptyl Phthalate(DnHpP)		
		Dicyclohexyl Phthalate(DCHP)		
Diisooctyl Phthalate(DIOP)				
Dibenzyl Phthalate(DBzP)				

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20	Phthalate in child care items and toys	Di-(2-propyl heptyl) phthalate(DPHP)	RSTS-Chem-206-6 (CPSC-CH-C1001-09.4 ISO 14389:2014)	(0.3 to 10.00 mg/L)
		Dihexyl Phthalate(DHP)		
		Diundecyl Phthalate (DDP)		
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)		
		Dinonyl phthalate(DNP)		
21	Leather	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-CHEM-201-2 (ISO 17234-1:2015 EN ISO 17234-1:2015)	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 (CAS No. 97-56-3)		
		2- amino-4- nitrotoluene (CAS No. 99-55-8)		
		4-Chloroaniline (CAS No. 106-47-8)		
		2,4-Diaminoanisole (CAS No. 615-5-4)		
		4,4'-diaminodiphenylmethane (CAS No. 101-77-9)		
		3,3'- dichlorobenzidine (CAS No. 91-94-1)		
		3,3'-dimethoxybenzidine (CAS No. 119-90-4)		
		3,3'- dimethylbenzidine (CAS No. 119-93-7)		
		4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)		
		6-Methoxy-m-toluidine (CAS No. 120-71-8)		
		4,4'-Methylene-bis-(2-chloro-aniline) (CAS No. 101-14-4)		
		4,4'-oxydianiline (CAS No. 101-80-4)		
4,4'-Thiodianiline (CAS No. 139-65-1)				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
21	Leather	o-Toluidine (CAS No. 95-53-4)	RSTS-CHEM-201-2 (ISO 17234-1:2015 EN ISO 17234-1:2015)	5 - 150 mg/kg
		2,4-Toluylenediamine (CAS No. 95-80-7)		
		2,4,5-trimethylaniline (CAS No. 137-17-7)		
		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)	RSTS-CHEM-201-4 (ISO 17234-2:2011 EN ISO 17234-1:2011)	
22	TCP/TECP in Leather	2,4,6 -TCP	RSTS-CHEM-203-1 ISO 17070-2015	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		
23	Phthalate in child care items and toys	Diundecyl Phthalate (DDP)	RSTS-HL-201-4 (CPSC-CH-C1001-09.4)	(0.30 to 10.00) mg/L
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)		
		Di-Butyl Phthalate (DBP)	RSTS-Chem-206-6 Rev: (CPSC-CH-C1001-09.4 ISO 14389:2014)	(0.30 to 10.00) mg/L
		Di-2-Ethyl Hexyl Phthalate (DEHP)		
		Benzyl Butyl Phthalate (BBP)		
Di Iso Nonyl Phthalate (DINP)				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
23	Phthalate in child care items and toys	Di-N-Octyle Phthalate (DNOP)	RSTS-Chem-206-6 Rev: (CPSC-CH-C1001-09.3 ISO 14389:2014)	(0.30 to 10.00) mg/L
		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)		
		Di-iso-heptyl phthalate (DIHP)		
		Di(heptyl, nonyl.undecyl) phthalate (DHNUP)		
		DiEthylPnthalate (DEP)		
		Dimethyl Phthalate(DMP)		
		Dipropyl phthalate(DPrP)		
		Diphenyl Phthalate(DPhP)		
		DiHeptyl Phthalate(DnHpP)		
		Dicyclohexyl Phthalate(DCHP)		
		DiisooctylPhthalate(DIOP)		
		DibenzylPhthalate(DBzP)		
		Di-(2-propyl heptyl) phthalate(DPHP)		
		Dihexyl Phthalate(DHP)		
		Diundecyl Phthalate (DDP)		
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)		
Dinonyl phthalate(DNP)				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
24	Leather	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-CHEM-201-2 Rev: (ISO 17234-1:2015 EN ISO 17234-1:2015)	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 (CAS No. 97-56-3)		
		2- amino-4- nitrotoluene (CAS No. 99-55-8)		
		4-Chloroaniline (CAS No. 106-47-8)		
		2,4-Diaminoanisole (CAS No. 615-5-4)		
		4,4'-diaminodiphenylmethane (CAS No. 101-77-9)		
		3,3'- dichlorobenzidine (CAS No. 91-94-1)		
		3,3'-dimethoxybenzidine (CAS No. 119-90-4)		
		3,3'- dimethylbenzidine (CAS No. 119-93-7)		
		4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)		
		6-Methoxy-m-toluidine (CAS No. 120-71-8)		
		4,4'-Methylene-bis-(2-chloro-aniline) (CAS No. 101-14-4)		
		4,4'-oxydianiline (CAS No. 101-80-4)		
		4,4'-Thiodianiline (CAS No. 139-65-1)		
		4,4'-Thiodianiline (CAS No.139-65-1)		
		o-Toluidine (CAS No. 95-53-4)		
		2,4-Toluylenediamine (CAS No. 95-80-7)		
		2,4,5-trimethylaniline (CAS No. 137-17-7)		
		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)		

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
25	TCP/TECP in Leather	2,4,6 -TCP	RSTS-CHEM-203-1 ISO 17070-2015	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		
26	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 1	(1.) RSTS-CHEM-202-3 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L
		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				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
26	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Yellow 3	(1.) RSTS-CHEM-202-3 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L
		Disperse Yellow 9		
		Disperse Yellow 39		
		Disperse Yellow 49		
		Basic Red 9		
		Basic violet 14		
		Disperse Orange 11		
		Disperse Yellow 23		
		Disperse Orange 149		
		Basic Blue 26		
		Acid Red 26		
		Direct Black 38		
		Direct Red 28		
		Basic Violet 3		
		Basic Green chloride 4		
		Basic Green oxalate 4		
		Basic Green		
		Acid Violet 49	RSTS-CHEM-202-3 (ISO 16373-3:2014)	0.2mg/L to 50mg/L
		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				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
27	Screening of 84 substances in candidate list for SVHC	Pigment Yellow 34	RSTS-CHEM-801-2	0.5mg/L-10 mg/L
		Pigment Red 104		
28	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 1	(1.) RSTS-CHEM-202-3 (ISO 16373-3:2014)	0.4mg/L-1.0 mg/L
		Disperse Blue 3		
		Disperse Blue 7		
		Disperse Blue 26		
		Disperse Blue 35		
		Disperse Blue 102		
		Disperse Blue 106		

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
28	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 124	(1.) RSTS-CHEM-202-3 (ISO 16373-3:2014)	0.4mg/L-1.0 mg/L
		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		
		Disperse Yellow 23		
		Disperse Orange 149		
		Basic Blue 26		
		Acid Red 26		
		Direct Black 38		
Direct Red 28				
Basic Violet 3				
Basic Green chloride 4				
Basic Green oxalate 4				

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
29	Organotin content in textile and plastic materials	Monobutyltin (MBT)	(1.)RSTS-CHEM-205-02 (ISO/TS 16179:2012(E)	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		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
Trimethyltin (TMT)				
Tetraethyltin (TeET)				
30	Bisphenol A in textile and leather by LCMS	Bisphenol A	RSTS-CHEM-239-01	0.5 to 20 mg/kg
31	Bisphenol A in textile and leather by GCMS	Bisphenol A	RSTS-CHEM-238-01 (DIN 53313, 64 LFGB, BVL B 82.02-8)	0.2 to 8 mg/kg
32	Determination of Monomers released IN toy	Bisphenol A	RSTS-CHEM-306-01 (BS EN 71-9:2005 + A1:2007, BS EN 71-10:2005, BS EN 71-11:2005)	0.025 to 5 mg/L
33	Dimethylformamide in foot ware by GC-MS	Dimethylformamide	LCHE/TM/SOP/98(RSTS-CHEM-266-1 BASED ON ISO/TS 16189:2013)	5 to 200.0 mg/kg
34	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Yellow 7 Disperse Red 151	LCHE/TM/SOP/98 (DIN 54231:2005)	6.0 to 15.0 mg/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
34	Allergeneous and Carcinogenic dyestuff in Textile Material	Michlers Base	LCHE/TM/SOP/98 (DIN 54231:2005)	6.0 to 15.0 mg/kg
		Disperse Yellow 56		
		Basic Green 4		
35	Extractable heavy metal in Artificial acidic Sweat solution	Lead	RSTS-CHEM-103-1 (ISO 105-E04, EN ISO 17072-1:2011) EN 16711-2:2015	0.01-500ppm
		Antimony		
		Arsenic		
		Nickel		
		Cadmium		
		Chromium		
		Chromium (VI)		
		Mercury		
		Copper		
		Cobalt		
		Barium		
		Selenium		
36	Total Heavy metals	Lead	RSTS-CHEM-108-1 (Based on EPA 3052, EPA 6010B, EPSA 6020)	10-50ppm
		Cadmium		
		Chromium		
		Mercury		

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
Mechanical Testing				
37	Fabric	Yarn Count	ISO 7211-5:1984 BS ISO 7211-5:1984 ASTM D 1059- 2017	10-200 tex
38	Fabrics / Garment / Films & Sheeting	Determination of thickness by mechanical screening	ISO 5084 : 1996 BS EN ISO 5084:1997 DIN EN ISO 5084:1996 EN ISO 5084:1996	0.01 to 10.0 mm
		Test method for non wovens- Determination of thickness	ISO 9073-2:1995 BS EN ISO 9073-2:1997 DIN EN ISO 9073-2:1997 EN ISO 9073-2:1996	
		Determination of thickness by mechanical screening	ISO 4593:1993	
39	Fabrics/ Garments	Determination of mass per unit length and mass per unit area	ISO 3801:1977 (Method 5) BS 2471:2005 (Method 1)	0 to 410g
		Determination of mass per unit area using small samples	BS EN 12127 : 1998 DIN EN 12127:1997 EN ISO 12127:1997	
		Mass Per Unit Area (Weight) of Fabric	ASTM D 3776/D3776M-09afr: (Re2017)	
		Construction Methods of analysis Part 2: Determination of number of threads per unit length	ISO 7211-2-1984 (E)/ BS EN 1049-2:1994 DIN EN 1049-2:1994-02 EN 1049-2:1993	Up to 100 ends & picks/cm
		Warp (End) and Filling (Pick) Count of Woven Fabrics	ASTM D 3775 – 2017	
		Knitted fabrics - Wales and Courses	BS 5441:1988	
40	Fabrics	Width of Textile Fabric	ASTM D 3774:2018	Up to 100 wales & courses/cm 0 to 2000mm
		Width of Textile Fabric	ISO 22198 : 2006	
		Standard for the Flammability of Clothing Textiles-Apparel (45° AFC)	16 CFR 1610 :2008 ASTM D 1230:2017 CAN/CGSB 4.2 NO 27.5	0-25 seconds

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
40	Fabrics	Standard for the Flammability of Clothing Textiles (Vertical)	BS EN ISO 1103 :2005 EN ISO 1103:2005 <i>With</i> ISO 6941:2003 BS EN ISO 6941:2003 EN ISO 6941:2003 DIN EN ISO 6941:2004-05	0-120 seconds
			BS EN ISO 1103 :2005 EN ISO 1103:2005 <i>With</i> ISO 6940:2004 BS EN ISO 6940:2004 EN ISO 6940:2004 DIN EN ISO 6940:2004-06	
			BS EN 1101:1996	
			BS EN 1102:2016	
		FZ/T81001-2016		
		Burning behavior of children night wear	BS EN 14878:2007 EN 14878 : 2007 DIN EN 14878 : 2007-08	
Children Sleep wear	16 CFR 1615/1616:2006			
43	Fabrics/ Garments	Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method	ISO 13934-2:2014 BS EN ISO 13934-2:2014 EN ISO 13934-2:2014 DIN EN ISO 13934-2:2014-06	2.04 kg to 407.7 kg
		Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D 5034 – 09 (Re2017)	
		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 EN ISO 13934-1:2013 DIN EN ISO 13934-1:2013-08	2.04 kg to 407.7 kg
		Breaking Force and Elongation of Textile Fabrics (Strip Method)	ASTM D 5035 – 2011(Re2015)	
		Determination of the elasticity of fabrics Part 1: Strip tests	BS EN 14704-1:2005 DIN EN 14704-1:2005 EN 14704-1:2005	
		Determination of the elasticity of fabrics Strip tests	ASTM D 3107:2007(Re2015)	1.35 to 4.5 kg
Determination of the elasticity of fabrics Strip tests	ASTM D2594:2004(Re2016)			

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
43	Fabrics/ Garments	Seam Slippage	GB/T 2660-2017 Appendix B/	2.04 kg to 407.7 kg
		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 13936-1:2004-07 EN ISO 13936-1:2004	2.04 kg to 407.7 kg
		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	2.04 kg to 407.7 kg
		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 13935-1:2014-07	2.04 kg to 407.7 kg
		Seam tensile properties of fabrics and made up textile articles part 2-Determination of maximum force to seam rupture using the grab method	ISO 13935-2:2014 BS EN ISO 13935-2:2014 DIN EN ISO 13935-2:2014-07 EN ISO 13935-2:2014	2.04 kg to 407.7 kg
		Standard Test Method for Failure in Sewn Seams of Woven Apparel Fabrics	ASTM D 1683/1683M:17(2018)	
		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 EN ISO 13938-1:1999 DIN EN ISO 13938-1:1999	0.5 kPa - 1000 kPa
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ASTM D 3786/D3786M – 2018	0.5 kPa - 1000 kPa
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ISO 13938-2:1999 BS EN ISO 13938-2:1999 EN ISO 13938-2:1999 DIN EN ISO 13938-2:1999	0.5 kPa - 1000 kPa
44	Fabric	Tear properties of fabrics Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	ISO 13937-1:2000/Cor 1 :2004 BS EN ISO 13937-1:2000 EN ISO 13937-1:2000 DIN EN ISO 13937-1:2000-06	0 to 128 N
		Tearing strength of fabrics by falling - pendulum (Elmendorf - type) Apparatus	ASTM D 1424 - 2009(Re2013)E1	0 to 128 N
		Method 2.8: Determination of tear force of fabrics using the ballistic pendulum method (Elmendorf)	AS 2001.2.8 – 2001(R2016)	0 to 128 N

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
44	Fabric	Tearing strength of fabrics by the tongue (single rip) procedure (CRE TENSILE TESTING MACHINE)	ASTM D2261-2013(2017) ISO 13937-2:2000 BS EN ISO 13937-2:2000 EN ISO 13937-2:2000 DIN EN ISO 13937-2(2000-06)	0-5 kgf.cm
		Tear strength	GB/T 3917.2:2009	
		Determination of the abrasion resistance of fabrics by the Martindale method	BS EN ISO 12947-1/3/4:1998 BS EN ISO 12947-2:2016 ISO 12947-1/3/4/Cor 1:2002 ISO 12947-2:2016 DIN EN ISO 12947-1/3/:2007 DIN EN ISO 12947-2:2017-03 EN ISO 12947-1:1998 EN ISO 12947-2:2016 EN ISO 12947-3/4:2007	a)Upto 99999 Cycles b) Colour Change: Grade 1 to 5
		Abrasion resistance of textile materials	ASTM D 4966:2012(Re2016)	
45	Fabric/Garment	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 EN ISO 12945-1:2000 DIN EN ISO 12945-1:2001-08	Grade1 to 5
		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 EN ISO 12945-2:2000 DIN EN ISO 12945-2:2001-01	
		Determination of the fabric propensity to surface pilling, fuzzing or matting –Random tumble pilling	ISO 12945-3:2014 DIN EN ISO 12945-3:2014-10 BS EN ISO 12945-3:2014 EN ISO 12945-3:2014	
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D 4970: 2016	
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D 3512 :2016	
		Dimensional Stability to washing	GB/T8629:2017, FZ/T80007.3:2006	-15 % to 15 %
		Domestic washing and drying procedures for textile testing - Dimensional Change	BS EN ISO 6330:2012 ISO 6330:2012 DIN EN ISO 6330:2013-02 EN ISO 6330:2012	
		Dimensional change - Domestic washing and drying procedures for textile testing	AS 2001.5.4.2005(R2016)	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
45	Fabric/ Garments	Dimensional Changes of Fabrics after Home Laundering	AATCC 135:2018/150-2018	-15 % to 50 %
		Dimensional Stability to washing	GB/T8629:2017, FZ/T80007.3:2006	-15% to 15%
		Dimensional stability to steaming	BS 4323:1979 ISO 3005:1978	-10 % to 10 %
		Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179-2017	0%-10%
		Determination of spirality after laundering - Percentage of wale spirality change in knitted garments	ISO 16322-1:2005 BS ISO 16322-1:2005	
		Determination of spirality after laundering - Woven & Knitted Garments	ISO 16322-3:2005 BS ISO 16322-3:2005	
		Determination of spirality after laundering - Woven & knitted fabrics	ISO 16322-2:2005 BS ISO 16322-2:2005/ Cor 2007	
46	Fabric	Bow & Skewness	BS 2819:1990+A2 :2016	0%-30%
		Measuring Bow & Skew	ASTM D3882:2008(Re2016)	
		Bow & Skewness	ISO 13015:2013	
		Appearance after washing	GB method) / GB/T 2662 4.4.1:2017	
47	Fabric/ Garments	Appearance of apparel and other textile end products after repeated home laundering	AATCC 143:2018	Grade 1 to 5
		Smoothness appearance of fabrics after repeated home laundering	AATCC 124:2018	
		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-2018	
		Durability after washing	LTEX/TM/SOP/27(revised 10.05.2014)	
		Mace snagging	ASTM D3939:2017	Grade 1 to 5
		Water repellency: Spray rating	AATCC 22:2017 ISO 4920:2012 BS EN ISO 4920:2012	0-100 Grade 1 to 5

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
48	Accessories/ Toys	Attachment strength	CEN/TR 16792:2014	0 to 50 kgf
		Tension Test	EN 71-1:2014+A1:2018 BS EN 71-1:2014+A1:2018	
		Resistance to Unsnapping of snap fastness	ASTM D 4846:1996(Re 2016)	
		Standard Consumer Safety Specification for Toy Safety	ASTM F 963 – 2017(Requirements of 16 CFR 1500.3 (c) (6)(vi)	
49	Toys/ Garments/ Garment Accessories	Safety of toys mechanical and physical properties:	EN 71-1:2014+A1:2018 BS EN 71-1:2014+A1:2018	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			
Percussion caps specifically designed for in toys and toys using percussion caps	4.19			

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
49	Toys/ Garments/ Garment Accessories	Small balls	4.22	Qualitative
		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	
		- Small balls	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	
		Torque	8.3	0-5 kgf.cm
		Drop test	8.5	
		Tension	8.4	0- 50 kgf
		Compression	8.8	
		Flexibility of wires	8.13	
Sharp point	8.12			
Small Parts	8.2			
Sharp edge	8.11			

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
49	Toys/ Garments/ Garment Accessories	Cords on toy	8.40	0-1000mm
		Film thickness	8.25	0.01 to 10.0 mm
		Physical and mechanical tests;	ASTM F963-2017 As per the section numbers given below	
		-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	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
49	Toys/ Garments/ Garment Accessories	- Toys intended to be attached to a crib or playpen	4.26	0.01 to 10.0 mm
		- Stuffed and beanbag-type toys	4.27	
		- Stroller and carriage toys	4.28	
		- 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	0-5 kgf.cm
		Tension Test for Removal of Components	8.9	0- 50 kgf
		Compression Test	8.10	0- 50 kgf
		Flexure Test	8.12	0- 50 kgf
		Packaging Film Thickness	8.21	0-1000 mm
		Stuffing material evaluation	8.29	
		Physical and mechanical tests;	AS/NZS ISO 8124-1: 2016 ISO 8124-1:2018	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	
49	Toys/ Garments/ Garment Accessories	- Normal use	4.1	0-1000 mm	
		- Reasonably foreseeable abuse	4.2		
		- Material	4.3		
		- Small parts	4.4		
		- 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		4.25 < Excluding the following > 4.25c)
		- Test methods			5
		Physical and mechanical tests;			
- Technical requirements for determining a sharp point		ASTM F 963-2017(16 CFR 1500.48)			
Technical requirements for determining a sharp metal or glass edge		ASTM F 963-2017(16 CFR 1500.49)			
Test methods for simulating use and abuse of toys intended for use by children		ASTM F 963-2017 (16 CFR 1500.50, 1500.51, 1500.52 and 1500.53)			
- Impact test					

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	
49	Toys/ Garments/ Garment Accessories	- Flexure test		0-1000 mm	
		- Torque test	ASTM F 963-2017(16 CFR 1500.50, 1500.51, 1500.52 and 1500.53)	0-5 kgf.cm	
		- Tension test		0- 50 kgf	
		- Compression test		0- 50 kgf	
		- Method for identifying choking, aspiration, or ingestion hazards because of small parts	ASTM F 963-2017 16 CFR 1501 in conjunction with test methods specified in 16 CFR 1500.51 or 16 CFR 1500.52 [excluding bite test to1500.51(c) or 1500.52 (c)]		
		Flammability tests;		ASTM F 963-2017 (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 F963-17 Cl. 4.2	
				AS/NZS ISO 8124-2: 2016	
				ISO 8124-2: 2014	
				BS EN 71-2: 2011+A1:2014	
EN 71-2: 2011+A1:2014					
<Excluding the following> for the above two standards Tests for flammable gases and flammable gels					
*Safety Specifications for Cords and Drawstrings on Children's Clothing (for Children below 14 years old)	GB/T22705	0 to 30mm			
Drawstrings		ASTM F1816-97(2009)	0-1000mm		
		ASTM F963-2017(16 CFR Part 1120)			
50	Plastic films	Tensile properties of thin plastic sheeting	ASTM D882:2018 < Excluding the following > 10.9 & 10.10	2.04 kg to 407.7 kg	
51	Fabrics/ Garments	Vertical wicking of Textile	AATCC 197:2013	1-180 minutes	
		Determination of the fabric propensity to surface pilling, fuzzing or matting-Random tumble pilling	ISO 12945-3:2014 DIN EN ISO 12945-3:2014-10 BS EN ISO 12945-3:2014 EN ISO 12945-3:2014	Grade 1 to 5	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
51	Fabrics/ Garments	Standard Test Method for Tension and Elongation of Elastic Fabrics	ASTM D 4964:96(2016)	2.04 kg to 407.7 kg
52	Garments	Standard Test Method for Pocket Reinforcement	ASTM D 7506- 2017	2.04 kg to 407.7 kg
53	Fabrics/ Garments	Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test1	ASTM D 6797- 2015	2.04 kg to 407.7 kg
54	Toy	Stuffing material evaluation	ASTM F963-2017 Clause 8.29	Qualitative

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