Valid from 12 May 2026
to 13 January 2030
Issued on 12 May 2026

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

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, leather, liquid, polymeric, powder materials, fabric, plastic, footwear, rubber, childcare items and toys and elastomer materials 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 as per the test methods appearing in this schedule

The laboratory is accredited for the tests appear from page 02 to 31;

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Textile	Colorfastness to Dry cleaning	ISO 105-D01: 2010 EN ISO 105-D01: 2010 BS EN ISO 105-D01 2010 DIN EN ISO 105-D01: 2010 GB/T 5711: 2015 AATCC TM132: 2004e3(2013)e3	Range 1 - 5 grade
		Colorfastness to perspiration	ISO 105 E04: 2013 BS EN ISO 105 E04: 2013 DIN EN ISO 105 E04: 2013 EN ISO 105 E04: 2013 GB/T 3922: 2013 AATCC TM15: 2021	Range 1 - 5 grade
		Colorfastness to Rubbing	ISO 105 X12 2016 BS EN ISO 105 X12 2016 DIN EN ISO 105 X12 2016 EN ISO 105 X12 2016 GB/T 3920: 2008 AATCC TM8: 2016e (2022)e	Range 1 - 5 grade
		Colorfastness to Hot pressing	ISO 105 X11: 1994 BS EN ISO 105 X11: 1996 EN ISO 105 X11: 1996 DIN EN ISO 105 X11: 1996 AATCC TM133: 2020	Range 1 -5 grade
		Colorfastness to domestic and commercial laundering	ISO 105 C06: 2010 BS EN ISO 105 C06: 2010 EN ISO 105 C06: 2010 DIN EN ISO 105 C06: 2010	Range 1 - 5 grade
		Colorfastness to laundering	AATCC 61: 2020	Range 1 - 5 grade
		Colorfastness to washing with soap or soap and soda	ISO 105 C10 : 2006 BS EN ISO 105 C10 : 2007 DIN EN ISO 105 C10 : 2007 EN ISO 105 C10 : 2007	Range 1 - 5 grade
		Colorfastness to washing	GB/T 3921.1 or 3: 2008	Range 1 - 5 grade
		Colorfastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C08 : 2010 BS EN ISO 105 C08 : 2010 DIN EN ISO 105 C08 : 2010 EN ISO 105 C08 : 2010	Range 1 - 5 grade
		Determination of pH of aquous extract	ISO 3071 : 2020 DIN EN ISO 3071 : 2020 BS EN ISO 3071 : 2020 EN ISO 3071 : 2020 GB/T 7573 : 2009 AATCC TM 81 : 2022	Range 1 - 14

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Textile	Assessment of potential to phenolic yellowing of materials	ISO 105 X18 : 2007 BS EN ISO 105 X18 : 2007 DIN EN ISO 105 X18 : 2007 EN ISO 105 X18 : 2007	Range 1 - 5 grade
		Colorfastness to sea water	ISO 105 E02 : 2013 BS EN ISO 105 E02 : 2013 EN ISO 105 E02 : 2013 DIN EN ISO 105 E02 : 2013 AATCC TM 106 : 2013	Range 1 - 5 grade
		Colorfastness to water	ISO 105 E01 : 2013 BS EN ISO 105 E01 : 2013 DIN EN ISO 105 E01 : 2013 EN ISO 105 E01 : 2013 GB/T 5713 : 2013 AATCC TM107 : 2013	Range 1 - 5 grade
		Colorfastness to non-Chlorine bleach	AATCC TM172 : 2019 ISO 105 C09 : 2001 +Amd2003 BS EN ISO 105 C09 : 2003 EN ISO 105 C09 : 2003 +A2007 DIN EN ISO 105 C09 : 2007-10	Range 1 - 5 grade
		Colorfastness to light	AATCC TM16.3 : 2020 ISO 105 B02 : 2014 BS EN ISO 105 B02 : 2014 EN ISO 105 B02 : 2014	Range 1 - 5 grade
		Colorfastness to light of textiles wetted with artificial perspiration	GB/T 14576 : 2009 ISO 105 B07 : 2009 BS EN ISO 105 B07 : 2009 EN ISO 105 B07 : 2009 DIN EN ISO 105 B07 : 2009-10	Range 1 - 5 grade
		Colorfastness to dye transfer in storage	AATCC TM 163 : 2020	Range 1 -5 grade
		Colorfastness to Chlorinated water	ISO 105 E03 : 2010 BS EN ISO 105 E03 : 2010 EN ISO 105 E03 : 2010 DIN EN ISO 105 E03 : 2010-08	Range 1 -5 grade
		Colorfastness to Chlorinated pool water	AATCC TM 162 : 2011	Range 1 -5 grade
		Colorfastness to Saliva	DIN 53160-1 : 2023 GB/T 188886 : 2019	Range 1 -5 grade

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Textile	Colorfastness to burn gas fumes	ISO 105 G02 : 2009 BS EN ISO 105 G02 : 1997 DIN EN ISO 105 G02 : 1997 EN ISO 105 G02 : 1997 AATCC TM23 : 2015e(2020)	Range 1 -5 grade
		Colorfastness to ozone under low humidity	AATCC TM109 : 2011(2016)e	Range 1 -5 grade
		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 (vapor absorption method)	ISO 14184-2: 2011 BS EN ISO 14184-2:2011 EN ISO 14184-2:2011 DIN EN ISO 14184-2:2011	
		Determination of formaldehyde - (Free & Hydrolyzed formaldehyde)	GB/T 2912.1-2009	
		Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	JIS L 1041 : 2011	
		Quantitative chemical analysis of fiber mixtures (Cotton, Polyester, Nylon, Silk, Acrylic, Wool, Viscose, Acetate, Polypropelene, Spandex composition only)	BS EN ISO 1833-1 :2020 EN ISO 1833-1:2020 ISO 1833-1: 2020 ISO 1833-4:2017 BS EN ISO 1833-4:2017 EN ISO 1833-4:2017 ISO 1833-6:2018 BS EN ISO 1833-6:2018 EN ISO 1833-6:2018 ISO 1833-7:2017 BS EN ISO 1833-7:2017 EN ISO 1833-7:2017 ISO 1833-11:2017 BS EN ISO 1833-11:2017 EN ISO 1833-11:2017 ISO 1833-3: 2020 ISO 1833-9/10 ISO 1833-12:2020 BS EN ISO 1833-3/9/10/12:2019 EN ISO 1833-/9/10/12:2019 ISO 1833-/5/8:2006 BS EN ISO 1833-2/3: 2020 EN ISO 1833-2/3: 2020 ISO 1833//2/3: 2020	0% -100%

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Textile	Fiber Analysis	BS 4407:1988/In accordance with regulation (EU) No.1007/2011 73/44/EEC and 96/73/EC amended by 2006/2/EC	0% -100%
		Fiber Analysis: Qualitative	AATCC TM20-2021	-
		Fiber Analysis: Quantitative	AATCC TM20A-2021	0% -100%
		Fiber Analysis: Quantitative	GB/T 2910, GB/T 2911	0% -100%
02	Phthalate in child care Items and toys	Di-Butyl phthalates (DBP)	RSTS-CHEM-206-3 Based on EN 14372:2004 €	(30-500000) mg/kg (0.003%-50%)
		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 isopentyl Phthalate (DIPP)		
		N-pentyl isopentyl Phthalate (NPIPP)		
		Di-n-pentyl Phthalate (DnPP)		
		Bis (2-methylethyl) Phthalate(DMEP)		
		Di-n-hexyl Phthalate (DnHP)		
		Di-isobutyl Phthalate (DIBP)		
		Di-isoheptyl Phthalate (DIHP)		
		Didecyl Phthalate (DUDP)		
		Dimethyll Phthalate (DMP)		
		Diethyl Phthalate (DEP)		
		Di (heptyl,nonyl,undecyl) Phthalate (DHNUP)		
03	Phthalate in child care Items, toys, textile products & liquid or Powder materials	Di-Butyl Phthalate (DBP)	RSTS-CHEM-206-6 Based on CPSC-CH-C1001-09.4 ISO 14389:2014 2022 GB/T 24168:2009 2023	(30-500000) mg/kg (0.003%-50%)
		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)		

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	Phthalate in child care Items, toys, textile products & liquid or Powder materials	Di iso butyl phthalate(DIBP)	RSTS-CHEM-206-6 Based on CPSC-CH-C1001-09.4 ISO 14389:2014 2022 GB/T 24168:2009 2023	(30-500000) mg/kg (0.003%-50%)
		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)		
		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-isoocty! Phthalate (DIOP)		
		Di-benzy! Phthalate (DBzP)		
		Di-(2-propyl heptyl) phthalate (DPHP)		
		Dihexyl Phthalate (DHP)		
		Diundecyl Phthalate (DDP)		
		1,2-benzenedicarboxylic acid, di-C6- IO-alkyl esters; 1,2- benzene dicarboxylic acid, mixed decyl and hexyl and Octyl diesters with 2'.: 0.3% of dihexyl phthalate (EC No. 201-559-5)		
		Dinonyl phthalate (DNP)		
04	Allogenous and Carcinogenic dye stuff in Textile, liquid or powder materials	Disperse Blue 1	RSTS-CHEM-202-1 Based on DIN 54231:2022DIN 54231:2022 864LFGB BVL B 82.02.10-2007 GB/T 20382:2006 (mod) GB/T 20383:2006 (mod) GB/T 30398:2013 (mod) GB/T 30399:2013 (mod)	(6-3500) mg/kg
		Disperse Blue 3		
		Disperse Blue 7		
		Disperse Blue 26		
		Disperse Blue 35		
		Disperse Blue 102		
		Disperse Blue 106		
		Disperse Blue 124		

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	Allogenous and Carcinogenic dye stuff in Textile, liquid or powder materials.	Disperse Brown 1	RSTS-CHEM-202-1 Based on DIN 54231:2022DIN 54231:2022 864LFGB BVL B 82.02.10-2007 GB/T 20382:2006 (mod) GB/T 20383:2006 (mod) GB/T 30398:2013 (mod) GB/T 30399:2013 (mod)	(6-3500) mg/kg
		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		
		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		
05	AP/APEO in textile, plastic, leather, paper, liquid or powder material	NP (Nonylphenols)	RSTS-CHEM-213-1 Based on (ISO 18218-1:2015 2023) (ISO 18254-1:2016) (GB/T 23972:2009) (ISO 21084:2019) (ISO 18218-2:2019) (AFIRM RSL 2025 V10) (GB/T 23322:2018) (GB/T 14272:2021)	(1-3000) mg/kg
		4-n-Nonylphenol		
		4-tert-Octylphenol		
		4-n- Octylphenol		
		Heptylphenol		
		Penty1pheno		
		4-tert-butylphenol		
		POE (9 to 10) tert- octyl phenol POE (9 to 10) tert- nonyl Phenol		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
06	Chlorinated organic carriers in textile commodity articles, Liquid or powder materials	2 – Chlorotoluene	RSTS-CHEM-204-1 DIN EN 17137:2019 EN 17137:2018 2024 EN 17137:2024 AFIRM 2025 V10	(0.04-100) mg/kg
		3 – Chlorotoluene		
		4 – Chlorotoluene		
		a- 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		
		Pentachlorobenzene		
		Hexachlorobenzene		
		Chlorobenzene		
		Pentachlorotoluene		
		3,4 - DiChlorotoluene		
		a a a- Trichlorotoluene		
		2.3.4.6- Tetrachlorotoluene		
		2.3.5.6- Tetrachlorotoluene		
		2.3.4.5- Tetrachlorotoluene		
		a, a, a, 4-Tetrachlorotoluene		
07	Organotin content in textile, leather and Plastic materials.	Monobutyltin (MBT)	RSTS-CHEM-205-1 Based on BS ISO 17353:2004 DIN 38407:13:2001	(0.02-200) mg/kg
		Dibutyltin (DBT)		
		Tributyltin (TBT)		
		Mono-n-Octyltin (MOT)		
		Tetrabutyltin (TeBT)		

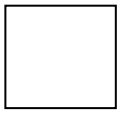
Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Organotin content in textile, leather and Plastic materials.	Di-n-Octyltin (DOT)	RSTS-CHEM-205-1 Based on BS ISO 17353:2004 DIN 38407:13:2001	(0.02-200) mg/kg
		Triphenyltin (TPhT)		
		Tri-Cyclohexyltin (TCyT)		
		Tri-n-octyltin (TOT)		
		Diphenyl tin (DPhT)		
		Monophenyltin (MPhT)		
		Tri-n-propyltin (TPrT)		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
		Trimethyltin (TMT)		
		Tetramethyltin (TeET)		
08	TCP/TeCP/PCP in Textile/ Printed textile/ Printed material/ Liquid or Powder Materials	2-MCP	RSTS-CHEM-203-2 Based on DIN 50009:2021 AFIRM RSL 2025_V10 64 LFGB, B 82.02.8-2001	(0.05-1000) mg/kg
		3-MCP		
		4-MCP		
		2,3-DCP		
		2,4-DCP		
		2,5-DCP		
		2,6-DCP		
		3,4-DCP		
		3,5-DCP		
		2,4,6 -TCP		
		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		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
09	AZO Textile/ Paint / Print/ Yarns	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-CHEM-201-8 Based on GB/T 17592:2011 RSTS-CHEM-201-14 Based on ISO 14362-1:2017	(5-2000) 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'- dichloro benzidine (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)		
		2.6-dimethylaniline(CAS No. 95-68-1)		
		2.4-dimethylaniline (CAS No. 87-62-7)		
		4-Aminoazobenzene (CAS No. 60-09-3)	GB/T 23344:2009 RSTS-CHEM-201-15 (Based on ISO 14362-3:2017)	(5-2000) mg/kg

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
10	Metal objects Jewelleries	Qualitative determination of free Nickel (Spot test)	RSTS-CHEM-105-6 (Based on CR 12471 CEN/TR 12471:2022)	≥ 0.5 µg/cm2/ Week
		Determination of Nickel release	RSTS-CHEM-105-5 (Based on BSEN 12472:2020) And EN 1811: 2023	0.01- 1 µg/cm2/ Week
11	Leather	Determination of Chromium (VI)	RSTS-CHEM-104-6 (Aging) RSTS-CHEM-104-1 (ISO 17075-1:2017) CEN/TR 12471:2022	(0.5 -125) mg/kg
12	Heavy Metals in Toy materials (Migration of certain elements)	Lead	RSTS-CHEM-110-3 ASTM F963-2023 (Clause 4.3.5.2) EN 71-3:2019+A2:2024 ISO 8124-3:2020 AS/NZS ISO 8124.1:2019	0.03 – 250 mg/kg
		Cadmium		0.015 – 250 mg/kg
		Chromium		0.25 – 250 mg/kg
		Barium		0.25 – 25000 mg/kg
		Antimony		0.5 – 250 mg/kg
		Arsenic		0.02- 250 mg/kg
		Mercury		0.01– 2.5 Mg/kg
		Selenium		0.5 – 250 mg/kg
		Aluminium		0.05 - 25000 mg/kg
		Boron		0.25 - 250 mg/kg
		Chromium		0.25 - 250 mg/kg
		Cobalt		0.25 - 250 mg/kg
		Copper		0.35 - 250 mg/kg
		Manganese		0.15 - 25000 mg/kg
		Nickle		0.25 - 250 mg/kg
		Strontium		0.25 - 250 mg/kg
		Tin		0.25 - 250 mg/kg
		Zinc		0.35 - 25000 mg/kg
13	Paint & other similar Surface coatings	Lead	RSTS-CHEM-109-1 Based on ASTM F963 (Clause 4.3.5.1) AOAC Official method 974.02 CPSC-CH-E1003-0901, ASTM E 1645:2020: REV A 01, 16 CFR 1303	(1 - 2500) mg/kg

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
14	Metal objects (Children's products)	Total lead	CPSC-CH-E1001-08.3	(1 - 2500) mg/kg
15	Non-Metal objects (Children's Products)	Total lead	CPSC-CH-E 1002-08.3	(1 - 2500) mg/kg
16	Plastic, Fabric & Glass (plastic Beads, toys)	Total lead	RSTS-CHEM-109-2 (US EPA 3052) (US EPA 3050B) (US EPA 3051A) ASTM E 1613-04 CPSC-CH-E 1001-08.1 CPSC-CH-E 1002-08.1	(1 - 2500) mg/kg
17	Textile (Leather, PU leather, textile, rubber, silica gel pellet)	Dimethyl Fumarate (DMFU)	RSTS-CHEM-233-1	(0.1-500) mg/kg
18	PFOS/ PFOA in textile, coated material, plastic, liquid or powder materials	Perflurorooctanoic acid (PFOA) Heptadecafluoro Octanesulfonic acid (PFOS) Perfluorooctane Sulphonamide (PFOSA) 8:2 FTS MeFOSA EtFOSA MeFOSE EtFOSE	RSTS-CHEM219-1 Based on CEN/TS 15968:2010 GB/T 29493.2:2013 ISO 23702-1:2018 2023	(0.01-25) mg/kg
19	PAHs in textile, polymer & rubber type of samples	Naphthalene (NAP) Acenaphthylene (ANY) Acenapthene (ANA) Fluorene (FLU) Phenanthrene (PHE) Anthracene (ANT) Fluoranthene (FLT) Pyrene (PYR) Benzo(a)anthracene (BaA) Chrysene (CHR) Benzo(b)fluoranthene (BbF) Benzo(k)fluoranthene (BkF) Benzo(a)pyrene (BaP) Indeno(l-,2,3-cd) pyrene (IPY) Dibenzo(ah)anthracene (DBA) Benzo(ghi)perylene (BPE)	RSTS-CHEM-232-1 Based on AfPS GS 2019:01 PAK (updated version) US EPA 610:1984	(0.06-600) mg/kg

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
19	PAHs in textile, polymer & rubber type of samples	Benzo(e)pyrene (BeP)	RSTS-CHEM-232-1 Based on AfPS GS 2019:01 PAK (updated version) US EPA 610:1984	(0.06-600) mg/kg
		Benzo(j)fl uoranthene (BjF)		
		Cyclopenta(c,d)pyrene (CPP)		
		Di benzo(al)pyrene [DB(a,l)P]		
		Di benzo(ae)pyrene [DB(a,eP]		
		Di benzo(ai)pyrene [DB(a,i)P]		
		Dibenzo(ah)pyrene [DB(a,h)P]		
20	AZO DYE in leather samples	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-CHEM-201-16 Based on ISO 17234-1:2025 AFIRM RSL V10	(5-2000) 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-Amino azotoluene (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'- dichloro benzidine (CAS No. 91-94-1)		
		3.3'-dimethoxybenzidine (CAS No. 119-90-4)		
		3,3'- dimethyl benzidine (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)		
		o-Toluidine (CAS No. 95-53-4)		
		2,4-Toluylenediamine (CAS No. 95-80-7)		
		2,4,5-trimethyJaniline (CAS No. 137-17-7)		
		2-methoxyaniline (CAS No. 90-04-0)		



Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
20	AZO DYE in leather samples	4-Aminoazobenzene (CAS No. 60-09-3)	RSTS-CHEM-201-16 Based on ISO 17234-1:2020 2025 AFIRM RSL V10	(5-2000) mg/kg
		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 Based on ISO 17234-2:2011	
21	Allogenous and carcinogenic dye stuff In textile material	Disperse Blue 1	RSTS-CHEM-202-3 Based on ISO 16373-3:2014	(15-1500) mg/kg
		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		
		Disperse Yellow 23		
		Disperse Orange 149		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
21	Allogenous and carcinogenic dye stuff In textile material	Basic Blue 26	RSTS-CHEM-202-3 Based on ISO 16373-3:2014	(15-1500) mg/kg
		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 (dimethyl amino)-4"- (methylamino) Trityl-alcohol *		
		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		(15-1500) mg/kg
22	TCP/TeCP/PCP in Leather, Printed leather, Liquid or powder material	2,4,6 -TCP	RSTS-CHEM-203-1 Based on ISO17070-2015 64 LFGB, B 82.02.8-2001	(0.05-1000) mg/kg
		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		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
23	Organotin content in footwear, liquid or powder material	Monobutyltin (MBT)	RSTS-CHEM-205-02 Based on (ISO/TS 16179:2012 (E)) (ISO 22744-1:2020)	(0.02-200) mg/kg
		Dibutyltin (DBT)		
		Tributyltin (TBT)		
		Mono-n-Octyltin (MOT)		
		Tetrabuty ltin(TeBT)		
		Di-n-Octyltin (DOT)		
		Triphenyltin (TPhT)		
		Tri-Cyclohexyltin (TCyT)		
		Tri-n-octyltin (TOT)		
		Diphenyl tin (DPhT)		
		Monophenyltin (MPhT)		
		Tri-n-propyltin (TPrT)		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
		Trimethyltin (TMT)		
		Tetraethyltin (TeET)		
24	Bisphenol A in textile and leather by LCMS	Bisphenol A	RSTS-CHEM-239-01	(0.5-200) g/kg
25	Bisphenol A in textile and leather by GCMS	Bisphenol A	RSTS-CHEM-238-01 Based on (DIN 53313, 64 LFGB, BVL B 82.02-8)	(0.4-200) g/kg
26	Determination of Monomers released EN toy	Bisphenol A	RSTS-CHEM-306-01 Based on (BS EN 71-9:2005 + AI :2007, BS EN 71-10:2005, BS EN 71-11:2005)	(0.04-50) mg/L
27	Dimethylformamide in Foot wear by GC-MS	Dimethylformamide	LCHE/TM/SOP/98(RSTS-CHEM- 266-1 Based on ISO/TS 16189:2021 EN 17131:2019	(0.5-1000) mg/kg
28	Extractable heavy metal in Artificial acidic Sweat solution	Lead	RSTS-CHEM-103-1 (ISO 105-E04, ISO 17072- 1 :2019) EN 16711-2:2015 2016 ISO 17294-1:2004 ISO 17294-2:2016	(0.05-500) mg/kg
		Antimony		(0.5-500) mg/kg
		Arsenic		(0.05-500) mg/kg
		Nickel		(0.5-500) mg/kg
		Cadmium		(0.05-500) mg/kg

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
28	Extractable heavy metal in Artificial acidic Sweat solution	Chromium	RSTS-CHEM-103-1 (ISO 105-E04, ISO 17072- 1 :2019) EN 16711-2:2015 2016 ISO 17294-1:2004 ISO 17294-2:2016	(0.05-500) mg/kg
		Chromium (VI)		(0.5-500) mg/kg
		Mercury		(0.02-500) mg/kg
		Copper		(0.5-500) mg/kg
		Cobalt		(0.5-500) mg/kg
		Barium		(0.5-500) mg/kg
		Selenium		(0.5-500) mg/kg
29	Total Heavy metals in textile, paint, packaging materials, plastic	Lead	RSTS-CHEM-108-1 with reference to (US EPA 3052A) (US EPA 6010B) (US EPA 6020)	(0.7-1000) mg/kg
		Cadmium		(0.5-1000) mg/kg
		Chromium		(0.5-1000) mg/kg
		Mercury		(0.1-5.0) mg/kg
30	SCCP and MCCP in textile, leather, polymeric, liquid and powder	SCCP	RSTS-CHEM-209-1 SCCP MCCP (Issue No 04) with reference to ISO 18219-1/2: 2021, USEPA Method 8082A:2007 CADS SCCP method v8:2017 ISO 22818:2021	(50-50000) mg/kg
		MCCP		
31	Styrene in fabric, plastic, paint, leather, liquid and powder materials	Styrene	RSTS-CHEM-220-2 with reference with AFRIM RSL 2025-V10	(0.5-1000) mg/kg
32	Vinyl Chloride Monomer in plastic	VCM	RSTS-CHEM-211-1 with reference to ISO 6401: 2022 AFFIRM RSL-2025-V10 EN ISO 6401:2008 2022, ASTM D 3749-95 78-142-EEC 80-766-EEC	(0.1-50) mg/kg
33	PFOA-Related substances in textile and leather	MePFOA	RSTS-CHEM-219-2 with reference to AFIRM RSL 2025-V10	(0.01-10) mg/kg
		EtPFOA		
		8:2FTA		
		8:2FTOH		
		8:2FTMA		
34	Brominated Flame Retardant in textile, plastic, leather and liquid samples.	Mono BDE	RSTS-CHEM-216-1 with reference to ISO 17881-1:2016	(5-5000) mg/kg
		Di BDE		
		Tri BDE		
		Tetra BDE		
		Penta BDE		
		Hexa BDE		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
34	Brominated Flame Retardant in textile, plastic, leather and liquid samples.	Hepta BDE Octa BDE Nona BDE Deca BDE HBCDD	RSTS-CHEM-216-1 with reference to ISO 17881-1:2016	(5-5000) mg/kg
35	Quinoline in textile, footwear and chemical formulation.	Quinoline	RSTS-CHEM-267-1 with reference to DIN 54231 :2022	(10-1000)mg/kg
36	Formaldehyde content in leather	Formaldehyde	RSTS-CHEM-101-3 with Reference to ISO 17226-1:2021	(5-600)mg/kg
37	Bisphenols in plastic, leather textile	BPA BPS BPF BPAF BPB	RSTS-CHEM-239-3 with reference to AFIRM RSL 2025-V10 CP 65 settlement case CGC-22-598022 & CGC-23-60-4604 CP 65 settlement case CGC-22-603011 & CGC-23-60414	(0.1-200)mg/kg
38	Phosphate Based Flame Retardant in textile, leather, plastic, liquid or powder	TCEP TDCPP	RSTS-CHEM-221-I(Version 2) with reference to ISO 17881-2:2016	(5-5000) mg/kg
39	Material	DMFU DMMA	RSTS-CHEM-233-2(Version 2) with reference to ISO/TS 16186:2021	(5-5000) mg/kg
40	Volatile Organic Compounds (VOC) in textile, plastic	Carbon disulfide Carbon tetrachloride 1,1,1-Trichlorethane Benzene 1,2-Dichloroethane Trichloroethylene Toluene 1,1,2-Trichloroethane Tetrachloroethylene 1,1,1,2 Tetrachloroethane Ethyl benzene p,m-xylene a-xylene Cyclohexanone 1,1,2,2-Tetrachloroethane Pentachloroethane	RSTS-CHEM-220-1	(5-1000) mg/kg

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Nitrosamines in rubber Elastomer materials	NOMA	RSTS-CHEM-258-2(Version 2) with reference to GB/T 24153-2009	(0.1-500) mg/kg
		NDEA		
		NMPhA		
		NDPA		
		NMOR		
		NPyR		
		NEPhA		
		NPIP		
		NDBA		
42	Extractable Monochlorophenols (MCP), Dichlorophenols (DCP), ortho-Phenylphenol (OPP), Trichlorophenols (TCP), Tetrachlorophenols (TeCP) and Pentachlorophenol (PCP) in textile, liquid or powder material	2-MCP	RSTS-CHEM-203-3 EN 17134-2:2023	(0.05-0.5)mg/kg
		3-MCP		
		4-MCP		
		2,3-DCP		
		2,4-DCP		
		2,5-DCP		
		2,6-DCP		
		3,4-DCP		
		3,5-DCP		
		OPP		(0.5-25) mg/kg
		2,4,5-TCP		(0.05-0.5) mg/kg
		2,4,6-TCP		
		2,3,4-TCP		
		2,3,5-TCP		
		2,3,6-TCP		
		3,4,5-TCP		
		2,3,5,6-TeCP		
		2,3,4,6-TeCP		
		2,3,4,5-TeCP		
		Pentachlorophenol		
43	Overall migration from plastic materials in aqueous food simulants, fatty food simulant and substitute test solvents of rectified olive oil	Overall migration	RSTS-CHEM-701-2 EU 10/2011 EN 1186-1:2002, EN 1186-2:2022, EN 1186-3:2022	(0.05-0.5) mg/kg
44	Solvents and residuals in Textiles and Footwear materials	DMFa	RSTS-CHEM-266-1 EN 17131:2019 ISO 16189:2021	(0.1-20mg/kg)
		Formamide		
		DMAC		
		NMP		
45	Siloxane in Textile, Plastic, Leather materials, liquid or powder samples	Octamethylcyclotetrasiloxane (D4)	RSTS-CHEM-260-2	(8.0-40000) mg/kg
		Decamethylcyclopentasiloxane (D5)		
		Dodecamethylcyclohexasiloxane (D6)		

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
46	In polyethylene, polystyrene, polyurethane or ethylene-vinyl acetate	Acetophenone	RSTS-CHEM-255-1	(4-8000) mg/kg
		2-Phenyl-2-propanol		
47	Chlorinated organic carriers in textile commodity articles	2,4,6-Trichlorotoluene	RSTS-CHEM-204-1	(0.04-100) mg/kg
		3,5,-Dichlorotoluene	DIN EN 17137:2019	
		2,3,4,-Trichlorotoluene	EN 17137:2018 2024 EN 17137:2024	
		3,4,5-Trichlorotoluene	AFIRM 2025 V10	
MECHANICAL SCOPE				
01	Textile	Determination of linear density of yarn removed from fabric	ISO 7211-5:2020 BS ISO 7211-5:2020	1 – 200 Tex
			ASTM D 1059:2017 (R2022)	
02	Textile and textile products	Determination of thickness of textiles and textile products	ISO 5084: 1996 BS EN ISO 5084:1997 DIN EN ISO 5084:1996 EN ISO 5084:1996	0.01 to 50.0 mm
		Test methods for nonwovens: Determination of thickness	ISO 9073-2:1995 (Corr:1998) BS EN ISO 9073-2:1997 DIN EN ISO 9073-2:1997 EN ISO 9073-2:1996	
03	Plastic films and sheets	Determination of thickness by mechanical screening	ISO 4593:1993 DIN ISO 4593:1993 (R2019)	
04	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 220g
		Determination of mass per unit area using small samples	BS EN 12127 : 1998 DIN EN 12127:1997 EN 12127:1997	
		Mass Per Unit Area (Weight) of Fabric	ASTM D3776//D3776M: 20 (2025)	
		Construction Methods of analysis Part 2 Determination of number of threads per unit length	ISO 7211-2: 2024	Up to 100 ends & picks/ cm
			EN 1049-2:1994	
		Warp (End) and Filling (Pick) Count of Woven Fabrics	ASTM D 3775:2017 (R2023)	
		Test method for Wales and courses count of weft knitted fabrics	ASTM D8007:2024	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
05	Fabrics/Garments	Standard Test Method for Width of Textile Fabric	ASTM D 3774:2018(2024)	0 to 2000 mm
		Determination of width and length of textile fabrics	ISO 22198: 2006 BS ISO 22198:2006	
		Standard for the flammability of textiles - Apparel	16 CFR 1610:2025	0 – 25 seconds
			ASTM D 1230-25	
			CAN/CGSB 4.2 NO 27.5: 2023 BS EN 1103 :2006 (R2015) EN 1103:2005 With ISO 6941:2003 BS EN ISO 6941:2003 EN ISO 6941:2003 DIN EN ISO 6941:2004	
		Textiles - Fabrics for apparel - Detailed procedure to determine the burning behavior and Textile fabrics Burning behavior Measurement of flame spread properties of vertically oriented specimens	BS EN 1103 :2006 (R2015) EN 1103:2005 With ISO 6940:2004 BS EN ISO 6940:2004 (R2018) EN ISO 6940:2004 DIN EN ISO 6940:2004	0 – 120 seconds
		Burning behavior of children night wear	BS EN 1103 :2006 (R2015) EN 1103:2005 With BS EN 14878:2007 (Corr:2009) EN 14878: 2009 DIN EN 14878: 2009	
		Standard for the flammability of children's sleepwear	16 CFR 1615:2025 / 16 CFR 1616:2025	
		Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method	ISO 13934-2:2014 BS EN ISO 13934-2:2014 (R2020) EN ISO 13934-2:2014 DIN EN ISO 13934-2:2014	2.04 kg to 407.7 kg
		Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D 5034: 21 (2025)	
		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 (R2018) EN ISO 13934-1:2013 DIN EN ISO 13934-1:2013	
		Breaking Force and Elongation of Textile Fabrics (Strip Method)	ASTM D 5035:2011 (R 2024)	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
06	Fabrics / Garments	Determination of the elasticity of fabrics Part 1: Strip tests	ISO 20932-1:2018 Amd.2021 EN ISO 20932-1:2020 BS EN ISO 20932-1:2020 DIN EN ISO 20932-1:2022	2.04 kg to 407.7 kg
		Standard Test Methods for Stretch properties of Fabrics Woven from Stretch Yarns	ASTM D 3107:2007 (R2019)	
		Seam Slippage	GB/T 2660: 2017 Appendix B	
		Standard Test Method for Stretch Properties of Knitted Fabrics Having Low Power	ASTM D2594/D2594M-21	1.35kg to 4.54kg
		Textiles 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(R2007) DIN EN ISO 13936-1:2004 EN ISO 13936-1:2004	2.04 kg to 407.7 kg
		Textiles 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 (2017) DIN EN ISO 13936-2:2004 EN ISO 13936-2:2004	
		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 - Part 2: Determination of maximum force to seam rupture using the grab method	ISO 13935-2:2014 BS EN ISO 13935-2:2014 (R2020) DIN EN ISO 13935-2:2014 EN ISO 13935-2:2014	
		Standard Test Method for Failure in Sewn Seams of Woven Apparel Fabrics	ASTM D1683/D1683M-22	
		Bursting properties of fabrics Part 1: Hydraulic method for determination of bursting strength & bursting distension	ISO 13938-1:2019 BS EN ISO 13938-1:2019 EN ISO 13938-1:2019 DIN EN ISO 13938-1:2020	0.5 kPa - 6000 kPa
		Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method	ASTM D3786/D3786M-18 (2023)	

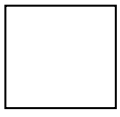
Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Fabrics / Garments	Bursting Properties of Fabrics Part 2: Pneumatic Method for Determination of Bursting Strength and Bursting Distension	ISO 13938-2:2019 BS EN ISO 13938-2:2020 EN ISO 13938-2:2019 DIN EN ISO 13938-2:2020	0.5 kPa - 6000 kPa
		Determination of tear force using ballistic pendulum method (Elmendorf)	IS0 13937-1:2000/Cor 1 :2004 BS EN ISO 13937-1:2000 (R2017) EN ISO 13937-1:2000 DIN EN ISO 13937-1:2000	0 to 64 N
		Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus	ASTM D1424:2021	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)	
		Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser shaped test specimens (Single tear method) - First Edition	ASTM D2261-13 (2024)	2.04 kg to 407.7 kg
		Tear properties of fabrics — Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)	ISO 13937-2:2000 BS EN ISO 13937-2:2000 EN ISO 13937-2:2000 DIN EN ISO 13937-2:2000	0 to 128N
		Determination of tear force of trouser-shaped test specimens (Single tear method)	GB/T 3917.2:2009	2.04 kg to 407.7 kg
		Determination of the abrasion resistance of fabrics by the Martindale method – Part 1 : Martindale Abrasion testing apparatus Part 2 : Determination of specimen breakdown Part 3 : Determination of mass loss	BS EN ISO 12947-1/3/4:1998 BS EN ISO 12947-2:2016 ISO 12947-1/3/4:98 +Cor 1:2002 ISO 12947-2:2016 DIN EN ISO 12947-1/3/4:2007 DIN EN ISO 12947-2:2017-03 EN ISO 12947-1:1998 EN ISO 12947-2:2016 EN ISO 12947-3/4:1998/AC 2006	a) Upto 99999 Cycles b) Colour Change: Grade 1 to 5 (Qualitative)
		Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)	ASTM D4966-22	

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	Fabric / Garment	Determination of fabric propensity to surface pilling, fuzzing or matting - Part 1: Pilling box method	ISO 12945-1 :2020 BS EN ISO 12945-1:2020 EN ISO 12945-1:2020 DIN EN ISO 12945-1:2020	Grade 1-5/Qualitative
		Determination of fabric propensity to surface pilling, fuzzing or matting — Part 2: Modified Martindale method	ISO 12945-2:2020 BS EN ISO 12945-2:2020 EN ISO 12945-2:2020 DIN EN ISO 12945-2:2021	
		Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 3: Random tumble pilling method	ISO 12945-3:2020 DIN EN ISO 12945-3:2021 BS EN ISO 12945-3:2020 EN ISO 12945-3:2020	
		Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D4970/D4970M:2022	
		Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D3512/D3512M:2022	
		Domestic washing and drying procedures for textile testing	BS EN ISO 6330:2021 ISO 6330:2021 DIN EN ISO 6330:2022 EN ISO 6330:2021	-15 % to 15 %
		Dimensional change - Domestic washing and drying procedures for textile testing	AS 2001.5.4.2005	
		Dimensional Changes of Fabrics after Home Laundering	AATCC 135:2018/150-2018	-20% to +20%
		Determination of Dimensional Change of Fabrics Induced by Free Steam	BS 4323:1979 ISO 3005:1978	-10% to +10%
		Test Method for Skew Change in Fabrics After Home Laundering	AATCC TM179-2019	0 – 30%
		Determination of spirality after laundering - Percentage of wale spirality change in knitted garments	ISO 16322-1:2005 BS ISO 16322-1:2005 (R2019)	
		Determination of spirality after laundering - Woven & Knitted Garments	ISO 16322-3:2021 BS ISO 16322-3:2021	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
09	Fabrics / Garments	Determination of spirality after laundering - Woven & knitted fabrics	ISO 16322-2:2021 BS ISO 16322-2:2021	0 – 30%
10	Fabric	Bow & Skewness	BS 2819:1990+A2 :2016	0 – 50%
		Measuring Bow & Skew in woven and knitted fabrics	ASTM D3882-08 (2025)	
		Bow & Skewness	ISO 13015:2013	
11	Fabric / Garment	Appearance of apparel and other textile end products after repeated home laundering	AATCC 143:2018 (E2023)	Grade 1 - 5
		Smoothness appearance of apparel and other textile end products after repeated home laundering	AATCC 124:2018 (E2023)	
		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 (E2023)	
		Durability after washing	LTEX/TM/SOP/27(revised 10.05.2014)	
		Snagging Resistance of fabrics (Mace)	ASTM D 3939/ASTM D3939 M-26	Grade 1 – 5
		Water repellency: Spray rating	AATCC 22:2017 (E2019) ISO 4920:2012 BS EN ISO 4920:2012 (R2017)	0 – 100 Grade 1 - 5
		Test method for absorbency of textiles	AATCC TM79 : 2018	0 - 100
		Attachment of strength	CEN/TR 16792: 2014 Annex B CEN/TR 16792:2014 Annex C	0 -50 kgf
12	Accessories / Toys	Tension test	EN 71-1:2014+A1:2018 BS EN 71-1:2014+A1:2018	0 to 50 kgf
		Resistance to unsnapping of snap fastness	ASTM D 4846:96 (2021)	
		Standard consumer safety specifications for toy safety	ASTM F963: 2023	
13	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	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
14	Toys / Garments / Garment accessories	Glass	4.5	Qualitative
		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	
		Enclosures	4.14	
		Toys intended to bear the mass of a child	4.15 < Excluding > 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	
		Small balls	4.22	
		Magnets	4.23	
		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	
		Play Figure	5.11	
		Hemispheric-shaped toys	5.12	
		Suction cups	5.13	
		Straps intended to be worn fully or partially around the neck	5.14	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
15	Toys / Garments / Garment accessories	Packaging	6	Qualitative
		Warning and instructions for use	7	
		Small parts	8.2	
		Torque	8.3	
		Tension	8.4	
		Drop test	8.5	
		Impact test	8.7	
		Compression	8.8	
		Soaking test	8.9	
		Accessibility of a part or component	8.10	
		Sharpness of edges	8.11	
		Sharp point	8.12	
		Flexibility of wires	8.13	
		Expanding materials	8.14	
		Geometric shape of certain toys	8.16	
		Cords cross-sectional dimension	8.20	
		Film thickness	8.25	
		Small balls and suction cups test	8.32	
		Test for play figures	8.33	
		Tension test for magnets	8.34	
		Perimeter of cords and chains	8.36	
		Breakaway feature separation test	8.38	
		Self-retracting cords	8.39	
		Length of cords, chains & electrical cables	8.40	
		Assessment of the tangle potential of two cords or chains	8.41	
		Physical and mechanical tests;	ASTM F963-2023	Qualitative
		-Material Quality (Visual Inspection)	4.1	
		-Small objects	Excluding 4.6.2	
		-Accessible edges	4.7	



Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
16	Toys / Garments / Garment accessories	- Projections	4.8	Qualitative
		- 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 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	
		- 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	
		- Yoyo elastic tether toys	4.37	
		- Labeling requirements	5	
		- Instructional literature	6	
		- Producer's markings	7	
		- Test methods	8	
		Normal Use Testing	8.5	
		Abuse testing	8.6	
		Impact Tests	8.7	
		Torque Tests for Removal of Components	8.8	
		Tension Test for Removal of Components	8.9	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
17	Toys / Garments / Garment accessories	Compression Test	8.10	Qualitative
		Flexure Test	8.12	
		Plastic Film Thickness	8.22	
		Stuffing material evaluation	8.21	
		Test for loops & Holes	8.23	
		Stuffing materials evaluation	8.29	
		AS/NZS ISO 8124.1:2023 Amd 1:2025/ ISO 8124-1:2022/Amd 1:2025		
		-Normal use	4.1.1	
		- 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	4.26	
		Magnets and magnetic components	4.31	
		Straps intended to be worn fully or partially around the neck	4.33	
		General requirements	5.1	
		Small Parts	5.2	
		Test for Shape and Size of certain toys	5.3	
		Small balls test	5.4	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
18	Toys / Garments / Garment accessories	Test for pompoms	5.5	Qualitative
		Test for pre-school play figures	5.6	
		Accessibility of a part or component	5.7	
		Sharp edge	5.8	
		Sharp point	5.9	
		Determination of thickness of plastic film and sheeting	5.10	
		Test for cords	5.11	
		Impact test for toys that cover the face	5.14	
		Wall impact test for projectiles	5.15.2	
		Expanding materials	5.21	
		Washable toys	5.23	
		Reasonably foreseeable abuse tests	5.24	
		General	5.24.1	
		Drop test	5.24.2	
		Tip-over test for large and bulky toys	5.24.3	
		Torque test	5.24.5	
		Tension test	5.24.6	
		Compression test	5.24.7	
		Flexure test	5.24.8	
		Tension test for magnets	5.31	
		Physical and mechanical tests		Qualitative
		Technical requirements for determining a sharp point	ASTM F 963: 2023(16 CFR 1500.48)	
		Technical requirements for determining a sharp metal or glass edge	ASTM F 963: 2023 (16 CFR 1500.49)	
		Test methods for simulating use and abuse of toys intended for use by children	ASTM F 963-2023 (16 CFR 1500.50, 1500.51, 1500.52 and 1500.53)	
		Drawstrings	ASTM F1816-18(2024)	
			ASTM F963-2023(16 CFR Part 1120)	
		- Method for identifying choking, aspiration, or ingestion hazards because of small parts	ASTM F 963-2023 4.6 16 CFR 1501 in conjunction with test methods specified in 16 CFR 1500.50 & 16 CFR 1501 Annex A1)	

Sl No.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
19	Toys / Garments / Garment accessories	Flammability tests;	ASTM F 963-2023 (16 CFR Parts 1610 and 1500.44) Ref. ASTM F 963-2023 4.2	Qualitative
			AS/NZS ISO 8124-2: 2023	
			ISO 8124-2: 2023	
			BS EN 71-2: 2025	
			EN 71-2: 2025	
			Excluding for the above two standards Tests for flammable gases and flammable gels	
20	Fabrics/ Garments	Vertical wicking of Textile	AATCC 213 : 2022	1 – 180 min
		Standard Test Method for Tension and Elongation of Elastic Fabrics	ASTM D 4964:2020	2.04 kg to 407.7 kg
21	Garments	Standard Test Method for Pocket Reinforcement	ASTM D 7506- 17(2025)	2.04 kg to 407.7 kg
22	Fabrics/ Garments	Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test1	ASTM D 6797: 2024	0 – 1000N
		Drying rate of fabrics: heated plate method	AATCC TM 201: 2014	0.1 – 100 ml/hr
		Test method for transmittance or blocking of erythemal weighted ultraviolet radiation through fabrics	AATCC TM183: 2020	0 – 100%
		Test method for air permeability of textile fabrics	ASTM D737: 2018 (R2023)	0 – 1300 cfm
		Snagging resistance of fabrics (bean bag)	ASTM D5362: 2013 (R2018)	1 – 5 grades
		Test method for water resistance: hydrostatic pressure	AATCC TM 127: 2018	0 – 500kPa
		Abrasion resistance of textile fabrics) oscillatory cylinder method)	ASTM D4157: 2013 (R2022)	Grade 1 - 5
		Pilling resistance and other related surface changes of textile fabrics: Elastomeric pad	ASTM D3514/ D3514M :2016 (2024)	Grade 1 - 5
		Impact resistance of plastic	ASTM D5171:15 (2025)	Grade 1 - 5

Acting Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment