

Laboratory Intertek India Private Limited, 290, Udyog Vihar, Phase-2, Gurgaon, Haryana

Accreditation Standard ISO/IEC 17025: 2005

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	TEXTILE (WOVEN & NON WOVEN)			
1.	Yarn & Chords, Finished Fabric, Apparels/Garments, Made-ups, Terry Fabrics & its products, Technical Textiles, Domestic Textiles & Others	Colour Fastness to Washing	ISO 105 C10: 2006 AATCC 61: 2013 GB/T 3921 : 2008 SASO 2329: 2005 ISO 105 C06: 2010	Qualitative (Grade: 1 to 5)
		Colour Fastness to Rubbing / Crocking	ISO 105 X 12: 2016 AATCC 8: 2013 AATCC 116: 2013 ISO 105 X16: 2016 GB/T 3920: 2008	Qualitative (Grade: 1 to 5)
		Colour Fastness to Perspiration	ISO 105 E04: 2013 AATCC 15: 2013 GB/T 3922: 2013	Qualitative (Grade: 1 to 5)
		Colour Fastness to Light	ISO 105 B02: 2014 AATCC 16: 2014, Option 3 GB/T 8427: 2008, Method 3	Qualitative (Grade: 1 to 8) (Grade: 1 to 5)
		Colour Fastness to Phenolic Yellowing	ISO 105 X18: 2007	Qualitative (Grade: 1 to 5)
		Colour Fastness to Domestic & Home Laundering	EN ISO 105 C09: 2003	Qualitative (Grade: 1 to 5)
		Colour Fastness to Dye Transfer in Storage	AATCC 163: 2013	Qualitative (Grade: 1 to 5)
2.	Yarn & Chords, Finished Fabric, Apparels/Garments, Made-ups, Terry Fabrics & its products, Others	Dimensional stability to washing	BS EN ISO 6330: 2012 ISO 5077: 2008 ISO 3759: 2011 AATCC 135: 2015 AATCC 150: 2012 GB/T 8629: 2001	(-) 50 % to (+) 50 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Smoothness Appearance of Fabric after repeated Home Laundering	AATCC 124: 2014	Qualitative (Grade: 1 to 5)
3.	Yarn & Chords, Finished Fabric, Apparels/Garments, Made-ups, Terry Fabrics & its products, Technical Textiles, Others	Fiber Analysis	BS 4407: 1988 ISO 1833 (Part 1 to 5, 7 to 9, 11, 15, 16, 18 & 19): 2006 AATCC 20A: 2014 ISO 5088: 1976 SASO GS 431: 1994	1 % to 100 %
		Fiber Analysis	AATCC 20: 2013	Qualitative
		pH Value	ISO 3071: 2005	1 to 14
			AATCC 81: 2016	
			BS 3266: 1981	
			BS EN 1413: 1998	
			SASO 2144: 2003	
			GB/T 7573: 2009	
		Formaldehyde	AATCC 112: 2014 BS EN ISO 14184-I: 2011 BS EN ISO 14184-II: 2011 GB/T 2912.1: 2009 SASO 2142: 2003 SASO 2143: 2003 JIS L 1041: 2011	(16 to 1000) mg/kg
		Colour Fastness to Water Spotting	AATCC 104: 2014 ISO 105 E07: 2010	Qualitative (Grade: 1 to 5)
4.	Finished Fabric, Apparels/Garments, Made-ups, Terry Fabrics & its products, Sports Textiles & Domestic Textiles	Colour Fastness to Dry Cleaning	ISO 105 D01: 2010 AATCC 132: 2013 GB/T 5711: 2015	Qualitative (Grade: 1 to 5)
		Water Absorbency	AATCC 79: 2014	(0 to 60+) s

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5.	Finished Fabric, Apparels/Garments, Made-ups, Terry Fabrics & its products, Technical Textiles, Domestic Textiles & Others	Colour Fastness to Water	ISO 105 E01: 2013 AATCC 107: 2013 GB/T 5713: 2013	Qualitative (Grade: 1 to 5)
		Colour Fastness to Chlorinated Water	ISO 105 E03: 2010	Qualitative (Grade: 1 to 5)
		Presence of Odour	GB 18401: 2010 (Section 6.7)	Qualitative
6.	Finished Fabric, Apparels/Garments, Made-ups, Sports Textiles & Domestic Textiles	Colour Fastness to Chlorinated Pool Water	AATCC 162: 2011	Qualitative (Grade: 1 to 5)
		Colour fastness to Sea Water	ISO 105 E02: 2013 AATCC 106: 2013	Qualitative (Grade: 1 to 5)
		Colour fastness to Salvia	DIN 53160-1: 2010 GB/T 18886: 2002	Qualitative (Grade: 1 to 5)
		Colour fastness to Artificial Sweat	DIN 53160-2: 2010	Qualitative (Grade: 1 to 5)
		Colour fastness to Migration of colours	ISO 105 X10: 1993	Qualitative (Grade: 1 to 5)
		Water Repellency	AATCC 22: 2014 ISO 4920: 2012	(0 to 60+) s Rating: 0 to 100
		Colour fastness to Aqueous Liquid Repellency	AATCC 193: 2012	Qualitative (Grade: 1 to 8)
		Colour fastness to Rug Back Staining or Vinyl tile	AATCC 137: 2012	Qualitative (Grade: 1 to 5)
		Oil Repellency	AATCC 118: 2013	Qualitative (Grade: 1 to 5)
		Soil Release	AATCC 130: 2015	Qualitative (Grade: 1 to 5)
7.	Finished Fabric, Apparels/Garments, Made-ups & Domestic Textiles	Colour Fastness to Hot Pressing	ISO 105 X11: 1994 AATCC 133: 2013	Qualitative (Grade: 1 to 5)
		Colour Fastness to Organic Solvent	ISO 105 X05: 1994	Qualitative (Grade: 1 to 5)
		Soil Release	AATCC 130: 2015	Qualitative (Grade: 1 to 5)

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8.	Finished Fabric, Apparels/Garments, Made-ups, Domestic Textiles & Others	Smoothness of seams in fabric after repeated home laundering	AATCC 88B: 2014	Qualitative (Grade: 1 to 5)
		Retention of creases in fabric after repeated home laundering	AATCC 88C: 2014	Qualitative (Grade: 1 to 5)
		Appearance of apparel and other textile end products after repeated home laundering	AATCC 143: 2014	Qualitative (Grade: 1 to 5)
		Skewness Change / Spirality / Torque	AATCC 179: 2012	(-) 50 % to (+) 50 %
II.	LEATHER			
1.	Finished leather, Leather accessories, Leather products, Semi-finished leather, Synthetic leather & other	Colour fastness to Rubbing (vesilic)	ISO 11640: 2012	Qualitative (Grade: 1 to 5)
		Colour fastness to Perspiration	ISO 11641: 2012	Qualitative (Grade: 1 to 5)
		Colour fastness to Water	ISO 11642: 2012	Qualitative (Grade: 1 to 5)
		pH value	ISO 4045: 2008	1 to 14
		Colour fastness to Rubbing (Circular)	SATRA TM 8: 2004	Qualitative
III.	HAZARDOUS & RESTRICTED CHEMICALS			
1.	Textile & Textile products	Detection of aromatic amines derived from Azo Colourants i.e. 4-Aminoazobenzene	64 LFGB B 82-02.9: 2006 + Corr: 2008 GB/T 23344: 2009	(2 to 300) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Detection of certain aromatic amines derived from Azo Colourants (Total 24 Aryl amines as listed) O-Toluidine (95-53-4) 2,4 Xylidine (95-68-1) O-Anisidine (90-04-0) P-Chloroaniline (106-47-8) P-Kresidine (120-71-8) 2,4,5 Trimethylaniline (137-17-7) 4 Chlor-O-Toluidine (95-69-2) 2,4 Tolyenediamine (95-80-7) 2,4 Diaminoanisole (615-05-4) 2 Naphthalamine (91-59-8) 2 Aminonitro-4 Toluene (99-55-8) 4 Aminobiphenyl (92-67-1) P-Aminoazobenzene (60-09-03) 4,4 Oxydianiline (101-80-4) 4,4 Diamino-diphenyl methane (101-77-9) Benzidine (92-87-5) O-Amino azo toluene (97-56-3) 4,4 Diamino-3,3 Dimethyl diphenyl amine (838-88-0)	LFGB 35 B 82-02-2: 2004 LFGB 35 B 82-02-4: 2004 ISO 14362-1: 2017 ISO 14362-3: 2017 GB/T 17592: 2011	(2 to 300) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		3,3 Dimethyl Benzidine (119-93-7) 4,4 Thiodianiline (139-65-1) 3,3 Dichlorobenzidine (91-94-1) 4,4 Methylene-Bis-2 Chloroaniline (101-14-4) 3,3 Dimethoxy Benzidine (119-90-4) 2,6 Xylidine (87-62-7)		
2.	Textile & Textile Accessories	Migration of Certain Elements Boron Aluminium Chromium III Chromium VI Manganese Cobalt Nickel Copper Zinc Arsenic Selenium Strontium Cadmium Tin Antimony Barium Mercury Lead	EN 71-3: 2013 + A1: 2014 IS 9873-3: 1999 SOP/CH/TM-39: 2017	(0.5 to 10000) mg/kg
		Determination of Chlorobenzene & Chlorotoulene Content	DIN 54232: 2010	(0.1 to 100) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		2-Chlorotoluene 3-Chlorotoluene 4-Chlorotoluene 2,3-Dichlorotoluene 2,4-Dichlorotoluene 2,5-Dichlorotoluene 2,6-Dichlorotoluene 2,3,6-Trichlorotoluene 2,4,5-Trichlorotoluene Tetrachlorotoluene 2,3,4,5,6-Pentachlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene 1,2,3,4-Tetrachlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene		
		Determination of selected Organotin compounds Dibutyltin (DBT) Monobutyltin (MBT) Tributyltin (TBT) Tetra-butyle (TeBT) Monooctyltin (MOT) Diphenyltin (DPHT)	SOP/CH/TM-27: 2017 NF EN ISO 17353: 2005 DIN 38407-13: 2001 ISO/TS 16179: 2012 EN 71 (Part 3): 2013	(0.05 to 100) mg/kg

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		Dioctyltin (DOT) Triphenyltin (TPHT) Di-n-propyltin (Dnprot) Methyltin (MET)		
		Determination of disperse and carcinogenic dyes Disperse blue 1,3,7,102,106,35,26,124 Disperse red 11,1,17 Disperse yellow 1,9,3,23,49,39 Disperse orange 3,37/76,1,11,149 Disperse brown 1, Basic violet 3 Basic red 9 Acid red 26 Direct blue 6 Direct black 38 Basic violet 14 Direct red 28 Acid red 14 Basic red 46 Basic violet 1 Solvent yellow 2,3 Solvent blue 4 Acid violet 49 Solvent red 23 Naphthol as reactive	SOP/CH/TM-29: 2017 DIN 54231: 2005	(1 to 50) mg/kg
		Navy Blue-018112 (Blue Colourant)	SOP/CH/TM-14: 2017	(15 to 1000) mg/kg
		Determination of Phthalates 1 Di-isononyl phthalate (DINP);	BS EN 14372: 2004 CPSC-CH-C1001-09.3: 2010 EN ISO 14389: 2014	(5 to 10000) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		CAS No. 28553-12-0 Di-(2-ethylhexyl) phthalate (DEHP); CAS No.117-81-7 Di-n-octyl phthalate (DNOP); CAS No. 117-84-0 Di-iso-decyl phthalate (DIDP); CAS No. 26761-40-0 Butyl benzyl phthalate (BBP); CAS No. 85-68-7 Di-butyl phthalate (DBP); CAS No. 84-72-2 Di-n-hexyl phthalates (DnHP); CAS No. 84-75-3 N-pentyl-isopenthyl phthalate (NPIPP); CAS No. 84777-06-0 Bis (2-methoxyethyl) phthalate (DMEP); CAS No. 117-82-8 Di-n-petyl phthalate (DnPP); CAS No.131-18-0 Di-iso pentyl phthalate (DIPP); CAS No. 605-50-5 Di-iso Butyl phthalate (DIBP); CAS No. 84-69-5	ASTM D3421-75 IS 9873-3: 1999 GB/T 20388: 2006	
		Total Lead in Non Metal (in Children products)	CPSC-CH-E-1002-08: 2009 ASTM E 1613: 2012 ASTM E 1645: 2016	(10 to 10000) mg/kg
		Lead in Paint / Lead in surface coating (paints & other Similar Surface	CPSC-CH-E-1003-09: 2009 ASTM E 1613: 2012 ASTM E 1645: 2016	(10 to 10000) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Coating)		
		Total Lead content in Substrate	ASTM E 1645: 2016 ASTM E 1613: 2012 CPSC-CH-E-1002-08: 2009	(5 to 10000) mg/kg
		Determination of total content of lead and cadmium	GB/T 30157: 2013	(2 to 300000) mg/kg
3.	Polymeric Accessories in Textiles/ Leather	Determination of PAHs in Plastic Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)Anthracene Chrysene Indeno(1,2,3-cd)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenzo(a,h)Anthracene Benzo(ghi)perylene Benzo(j) fluoranthene Benzo(e)pyrene	ZEK-01.4-08: 2011 AfPS GS 2014.01: 2014 ISO/TS 16190: 2013	(0.2 to 200) mg/kg
4.	Paints & similar coatings, or substrates and homogenous materials	Screening of Lead & Cadmium in coating and substrate using HD-XRF	ASTM F 2853: 2015	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
5.	Textile & Leather Product	Determination of Chlorinated Phenol	DIN 53313: 1996 LFGB 82-02-8: 2007 BS EN ISO 17070: 2015	(0.5 to 100) mg/kg
		Pentachlorophenol (PCP) CAS no. 87-86-5		
		2,3,4,5-Tetrachlorophenol CAS no. 4901-51-3		
		2,3,4,6-Tetrachlorophenol CAS no. 58-90-2		
		2,3,5,6-Tetrachlorophenol CAS no. 935-95-5		
		2,3,6-Trichlorophenol (2,3,6-TCP) CAS no. 933-75-5		
		2,4,6-Trichlorophenol (2,4,6-TCP) CAS no. 88-06-2		
		2,3,5-Trichlorophenol (2,3,5-TCP), CAS no. 933-78-8		
		3,4,5-Trichlorophenol (3,4,5-TCP) CAS no. 609-19-8		
		o-phenylphenol (OPP), CAS no. 90-43-7		
6.	Plastic Product	Estimation of NPEO/ NP	SOP/CH/TM-30: 2017 ISO 18254-1: 2016	(1 to 10000) mg/kg
		Estimation of OPEO /OP	SOP/CH/TM-30: 2017 ISO 18254-1: 2016	(1 to 10000) mg/kg
7.	Leather, Leather Product & Accessories	Detection of certain aromatic amines derived from Azo Colourants (Total 24 Aryl amines as listed)	LFGB 35 B 82-02-2: 2004 LFGB 35 B 82-02-3: 2004 LFGB 35 B 82-02-4: 2004 EN 14362-2: 2003 EN 14362-1: 2012	(2 to 300) mg/kg
		O-Toluidine (95-53-4)	GB/T 19942: 2005	

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		2,4 Xylidine (95-68-1)	ISO 17234-1: 2015	
		O-Anisidine (90-04-0)	ISO 17234-2: 2011	
		P-Chloroaniline (106-47-8)		
		P-Kresidine (120-71-8)		
		2,4,5 Trimethylaniline (137-17-7)		
		4 Chlor-O-Toluidine (95-69-2)		
		2,4 Tolyenediamine (95-80-7)		
		2,4 Diaminoanisole (615-05-4)		
		2 Naphthalamine (91-59-8)		
		2 Aminonitro-4 Toluene (99-55-8)		
		4 Aminobiphenyl (92-67-1)		
		P-Aminoazobenzene (60-09-03)		
		4,4 Oxydianiline (101-80-4)		
		4,4 Diamino-diphenyl methane (101-77-9)		
		Benzidine (92-87-5)		
		O-Amino azo toluene (97-56-3)		
		4,4 Diamino-3,3 Dimethyl diphenyl amine (838-88-0)		
		3,3 Dimethyl Benzidine (119-93-7)		
		4,4 Thiodianiline (139-65-1)		
		3,3 Dichlorobenzidine (91-94-1)		
		4,4 Methylene-Bis-2 Chloroaniline (101-14-4)		

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		3,3 Dimethoxy Benzidine (119-90-4)		
		2,6 Xylidine (87-62-7)		
		Phthalates Determination: 1 Di-isononyl phthalate (DINP); CAS No. 28553-12-0 Di-(2-ethylhexyl) phthalate (DEHP); CAS No.117-81-7 Di-n-octyl phthalate (DNOP); CAS No. 117-84-0 Di-iso-decyl phthalate (DIDP); CAS No. 26761-40-0 Butyl benzyl phthalate (BBP); CAS No. 85-68-7 Di-butyl phthalate (DBP); CAS No. 84-72-2 Di-n-hexyl phthalates (DnHP); CAS No. 84-75-3 N-pentyl-isopenthyl phthalate (NPIPP); CAS No. 84777-06-0 Bis (2-methoxyethyl) phthalate (DMEP); CAS No. 117-82-8 Di-n-petyl phthalate (DnPP); CAS No.131-18-0 Di-iso pentyl phthalate (DIPP); CAS No. 605-50-5 Di-iso Butyl phthalate (DIBP); CAS No. 84-69-5	ISO 16181: 2011	(5 to 10000) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Lead in Paint / Lead in surface coating (paints & other Similar Surface Coating)	CPSC-CH-E-1003-09: 2009 ASTM E 1613: 2012 ASTM E 1645: 2016	(10 to 10000) mg/kg
		Total Lead Content	ASTM E 1645: 2016 ASTM E 1613: 2012	(2 to 300000) mg/kg
		Lead (total amount / extractable)	EN ISO 17072-2: 2011	(2 to 300000) mg/kg
		Cadmium (total amount)	EN ISO 17072-2: 2011	(2 to 10000) mg/kg
		Formaldehyde Content	GB/T 19941: 2005	(5 to 1000) mg/kg
		Determination of selected Organotin compounds	SOP/CH/TM-27: 2017 NF EN ISO 17353: 2005 DIN 38407-13: 2001	(0.05 to 100) mg/kg
		Dibutyltin (DBT)		
		Monobutyltin (MBT)		
		Tributyltin (TBT)		
		Tetrabutyltin (TeBT)		
		Monooctyltin (MOT)		
		Diphenyltin (DPHT)		
		Diocetyl tin (DOT)		
		Triphenyltin (TPhT)		
		Total Cadmium Content in plastic	EN 1122: 2001	(2 to 300000) mg/kg
		Nickel Release	EN1811: 2011 + A1: 2015 EN 12472: 2005 + A1: 2009 EN 12471: 2002	(0.1 to 10) µg/cm ² /week
		Total Lead content in Substrate	ASTM E 1645: 2016 ASTM E 1613: 2012 CPSC-CH-E-1002-08 CPSC-CH-E-1001-08	(5 to 300000) mg/kg
		Chrome VI Content	ISO 20344/ 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 EN 420: 2003 + A1: 2009 ISO 17075: 2007 DIN 53314: 2004	(0.5 to 100) mg/kg

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		Formaldehyde Content	ISO 17226-1: 2008	(5 to 1000) mg/kg
		DMFU content in footwear	ISO/TS 16186: 2012	(0.1 to 10) mg/kg
		Migration of Certain Elements	EN 71-3: 2013 + A1: 2014 IS 9873-3: 1999	(0.5 to 10000) mg/kg
		Boron		
		Aluminium		
		Chromium III		
		Chromium VI		
		Manganese		
		Cobalt		
		Nickel		
		Copper		
		Zinc		
		Arsenic		
		Selenium		
		Strontium		
		Cadmium		
		Tin		
		Antimony		
		Barium		
		Mercury		
		Lead		
8.	Toys, Toy Components & Materials	Determination of Heavy Element Content Lead Cadmium Chromium Mercury Selenium Arsenic Antimony Barium	AS/ NZS ISO 8124-3: 2012 ASTM F 963: 2016, Section 8.3	(0.5 to 10000) mg/kg

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9.	Electrical & Electronic product contain chemical, polymer & metal under ROHS regulation	Lead	IEC 62321: 2008	(2 to 300000) mg/kg
		Cadmium	IEC 62321: 2008	(2 to 300000) mg/kg
		Mercury	IEC 62321: 2008	(2 to 300000) mg/kg
		Chromium VI	IEC 62321: 2008	(1 to 2000) mg/kg
		Polybrominated Biphenyls:	IEC 62321: 2008	(5 to 200000) mg/kg
		2-Bromobiphenyl		
		4,4'-Dibromobiphenyl		
		2,4,6-Tribromobiphenyl		
		2,2,5,5-Tetrabromobiphenyl		
		2,2',4,5',6-Pentabromobiphenyl		
		2,2',4,4',5,5'-Hexabromobiphenyl		
		2,2,3,4,4,5,5-Heptabromobiphenyl		
		Octabromobiphenyl (Isomermixture)		
		2,2,3,3,4,4,5,5,6 Nonabromobiphenyl		
		Decabromobiphenyl		
		Polybrominated Biphenyl Ethers:	IEC 62321: 2008	(5 to 200000) mg/kg
		3-Bromodiphenyl ether		
		4,4-Dibromodiphenyl ether		
		2,4,6-Tribromodiphenyl ether		
		2,3,4,6-Tetrabromodiphenyl ether		
		2,2',4,4',5-Pentabromodiphenyl ether		
		2,2',4,4',5,5'-		

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Hexabromodiphenyl ether 2,2',3,4,4',5,6- Heptabromodiphenylether 2,2,3,4,4',5,5',6- Octabromodiphenyl ether 2,2,3,3,4,4,5,5,6 Nonabromodiphenyl ether 2,2,3,3,4,5,5,6,6 Nonabromodiphenyl ether 2,2,3,3,4,4,5,6,6 Nonabromodiphenyl ether Decabromodiphenyl ether		
10.	Paints & similar coatings, or substrates and homogenous materials	Determination of Lead in Paint Layers and Similar Coatings or in Substrates and Homogenous materials by Energy Dispersive X-Ray Fluorescence Spectrometry using Multiple Monochromatic Excitation Beams	ASTM F 2853: 2015	(30 to 450) mg/kg [for coated samples] (14 to 1200) mg/kg [for uncoated samples]
11.	Plastic, Polyethylene, Polypropylene, PVC, Glass Wood, Fabric	Determination of Phthalates in Poly Vinyl Chloride 1 Di-isononyl phthalate (DINP); CAS No. 28553-12-0 Di-(2-ethylhexyl) phthalate (DEHP); CAS No. 117-81-7 Di-n-octyl phthalate (DNOP); CAS No. 117-84-0 Di-iso-decyl phthalate	CAN C-34: 2016	(5 to 10000) mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		(DIDP); CAS No. 26761-40-0 Butyl benzyl phthalate (BBP); CAS No. 85-68-7 Di-butyl phthalate (DBP); CAS No. 84-72-2 Di-n-hexyl phthalates (DnHP); CAS No. 84-75-3 N-pentyl-isopenthyl phthalate (NPIPP); CAS No. 84777-06-0 Bis (2-methoxyethyl) phthalate (DMEP); CAS No. 117-82-8 Di-n-petyl phthalate (DnPP); CAS No. 131-18-0 Di-iso pentyl phthalate (DIPP); CAS No. 605-50-5 Di-iso Butyl phthalate (DIBP); CAS No. 84-69-5		
12.	Jewellery products	Nickel Release	GB/T 19719: 2005 GB/T 28485: 2012	(0.1 to 10) $\mu\text{g}/\text{cm}^2/\text{week}$
		Lead (total amount)	GB/T 28021: 2011	(2 to 300000) mg/kg
		Cadmium (total amount)	GB/T 28021: 2011	(2 to 10000) mg/kg
		Mercury (total amount)	GB/T 21198-6: 2007 GB/T 28021: 2011	(2 to 300000) mg/kg
		Arsenic (total amount)	GB/T 21198-6: 2007 GB/T 28021: 2011	(2 to 300000) mg/kg
13.	Metallic Materials	Total Lead Content	ASTM E 1645: 2016 ASTM E 1613: 2012	(2 to 300000) mg/kg
		Total Cadmium Content	SOP/CH/TM-42: 2017	(2 to 10000) mg/kg

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		Leachable Lead & Cadmium	84 / 500 / EEC: 2005 BS 6748: 1986 + A1: 2011 CA Prop 65: 1993 USFDA-1995 LFGB 80-03: 1985	Pb: (0.05 to 100) mg/kg Cd: (0.01 to 100) mg/kg
		Nickel Release	EN 1811: 2011 + A1: 2015 EN 12472: 2005 + A1: 2009 EN 12471: 2002	(0.1 to 10) µg/cm ² /week
		Determination of Extractable cadmium in metal jewelry	CPSC-CH-E-1004: 2011	(2 to 300000) mg/kg
		Salt Spray	ISO 9227: 2012 (NSS) ASTM B 117: 2016	Qualitative
		Total Lead content in Substrate	ASTM E 1645: 2016 ASTM E 1613: 2012 CPSC-CH-E-1001-08: 2008 SOP/CH/TM-24: 2016	(5 to 300000) mg/kg
14.	Textiles, Plastics & Coatings	Determination of Bisphenol A	EN 13130-13: 2005 SOP/CH/TM-44: 2017	(0.1 to 100) mg/kg
		Determination of Per fluorinated Carbons (PFcs): PFBA/ PFPeA/ PFHxA/ PFOA/ PFNA/ PFDA/ PFUdA/ L-PFBS/ L-PFOS/ L-PFDS/ N-MeFOSE Alcohol/ 4HPFUnA/ HPFHpA	CEN/TS 15968: 2010 SOP/CH/TM-37: 2017	(0.1 to 100) mg/kg
15.	Textiles, Leather & paints	Short & Medium Chain Chlorinated paraffin's (SCCP & MCCP)	EN ISO 18219: 2015	(0.01 to 10000) mg/kg
16.	Textiles & Toys	Flame Retardants: Tris (1,3-dichloro-isopropyl) phosphate Tris (2-chloro-isopropyl)	EN ISO 17881-2: 2016 SOP/CH/TM-36: 2016	(1 to 100) mg/kg

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		phosphate Tris (2,3-dibromopropyl phosphate) Triphenyl phosphate Tri-O-tolyl phosphate Bis (2,3-dibromopropyl phosphate) 3,3,5,5-Tetrabromobisphenol A 2,2-Bis (chloromethyl)-1,3-prapanediyl tetrakis (2-chloroethyl) Bis (phosphate) 4-tert-butyl phenyl diphenyl phosphate Bis (2-tert butyl phenyl)phenyl phosphate Bis(2-tertbutyl-butyl phenyl)phenyl phosphate Tris(2-chloro ethyl) phosphate		
17.	Food ware Article (coated /Plastic)	Over all Migration	SOP/CH/TM-40: 2017 IS 9845: 1998 (RA 2010) EN 1186-3: 2002 EN 1186-9: 2002 (Article filling method) EN 1186-14: 2002 (Substitute tests) EN 1186-13: 2002 (At high temperature) EN 1186-2: 2002 (Total immersion method) EN 13130-1:2004	(0.5 to 500) mg/dm ²
		Specific migration of heavy metal (coated /	SOP/CH/TM-40: 2017	(0.01 to 1000) mg/ kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		plastic / Rubber/ Melamine Products) [Pb, As, Hg, Ba, Cd, Cr, Se, Sb]		
18.	Metal food wares (metal articles/ Products)	Specific migration of heavy metals (23 elements) [Ag, Al, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, Sn, Ti, V, Zn, Sb, As, Ba, Be, Cd, Hg, Li, Pb and Ti]	Council of EU resolution CM/ Res (2013) 9 on metal and alloy used in food contact materials and articles	(0.01 to 1000) mg/ kg
19.	Plastic / Polymer coating good	Specific migration of Soluble Heavy Metals (8 elements) [Ba, Co, Cu, Fe, Li, Mn, Zn, Al]	SOP/CH/TM/40: 2017	(0.01 to 1000) mg/ kg
		Specific migration of PAA Benzidine 2-Npathylamine 4-Chloroaniline 3,3-Dicholorbezidine 3,3-Dimethoxybenzidine 3,3-Dimethylbezidine Ortho 0-toludibe 2-Methoxy aniline (O-anisidine) Aniline	SOP/CH/TM/40: 2017	(0.01 to 10000) mg/ kg
		Specific migration of Formaldehyde	SOP/CH/TM/40: 2017 EN 13130-23: 2005	(0.01 to 10000) mg/ kg
		Specific migration of Melamine	SOP/CH/TM/40: 2017 EN 13130-27: 2004	(0.1 to 10000) mg/ kg
		Specific migration of Bisphenol A (BPA)	SOP/CH/TM/40: 2017 EN 13130-13: 2004	(0.3 to 10000) mg/ kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Specific migration of Phthalates: (DIBP, DBP, BBP, DEHP, DNOP, DNHP, DINP, DIDP, DAP)	SOP/CH/TM/40: 2017 EN 13130-1: 2004	(0.005 to 10) mg/kg
IV.	Metals & Alloys			
1.	Low Alloy Steel	Carbon Manganese Silicon Sulphur Phosphorus Chromium Nickel Molybdenum Aluminium Copper	ASTM E 415: 2014	0.03 % to 1.35 % 0.20 % to 1.70 % 0.10 % to 1.20 % 0.015 % to 0.045 % 0.01 % to 0.08 % 0.10 % to 3.10 % 0.05 % to 4.20 % 0.02 % to 1.0 % 0.01 % to 0.35 % 0.02 % to 0.70 %
2.	Stainless Steel	Carbon Silicon Manganese Chromium Nickel Molybdenum Sulphur Phosphorus	ASTM E 1086: 2014	0.01 % to 0.05 % 0.29 % to 0.37 % 1.6 % to 1.85 % 17.0 % to 18.5 % 8.3 % to 10.40 % 0.3 % to 2.10 % 0.020 % to 0.030 % 0.025 % to 0.035 %

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3.	Copper & its alloys	Zinc Lead Tin Phosphorus Manganese Iron Nickel Silicon Arsenic Antimony Aluminium	BS EN 15079: 2015	0.01 % to 21.0 % 0.05 % to 8.90 % 0.06 % to 8.50 % 0.15 % to 0.16 % 0.03 % to 0.04 % 0.01 % to 0.13 % 0.06 % to 2.90 % 0.01 % to 0.04 % 0.08 % to 0.11 % 0.05 % to 0.24 % 0.01 % to 2.4 %
4.	Aluminium & its Alloys	Silicon Copper Manganese Chromium Nickel Titanium Vanadium Antimony Zinc Iron Magnesium Tin Gallium	ASTM E 1251: 2011	0.20 % to 11.27 % 0.09 % to 2.66 % 0.15 % to 0.445 % 0.05 % to 0.10 % 0.09 % to 0.375 % 0.10 % to 0.25 % 0.015 % to 0.025 % 0.020 % to 0.030 % 0.07 % to 1.60 % 0.35 % to 0.65 % 0.08 % to 4.00 % 0.01 % to 0.30 % 0.01 % to 0.02 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	TEXTILE MATERIALS			
1.	Garment & Apparel, Carpet & Rugs, Coated Fabrics, Industrial Textiles, Protective Textiles, Sport Textiles, Upholstery Fabrics, Textile Accessories & Others	Tensile Strength & Elongation	BS EN ISO 13934-1: 2013 BS EN ISO 13934-2: 2014 ASTM D 5034: 2009 (2013) ASTM D 5035: 2011 GB/T 3923.1: 2013 GB/T 3923.2: 2013	40 N to 10 kN (9 lbf to 2247 lbf) 5 % to 50 %
		Tear Strength (Elmendorf)	ASTM D 1424-09a(2013)e1 BS EN ISO 13937-1: 2000 GB/T 3917.1: 2009	2.4 N to 106 N (0.5 lbf to 24 lbf)
		Tear Strength	ASTM D 2261: 2013 BS EN ISO 13937-2: 2000 BS EN ISO 13937-3: 2000 BS 4303: 1968	40 N to 10 kN (9 lbf to 2247 lbf)
		Bursting Strength	BS EN ISO 13938-1: 1999 ASTM D 3786/ D 3786M: 13 EN ISO 13938-2: 1999 GB/T 19976: 2005	20 kPa to 1400 kPa (3.0 psi to 200 psi) 10 N to 900 N
		Seam Strength	ISO 13935-2: 2014 ASTM D 1683/D 1683M: 11a	40 N to 10 kN (9 lbf to 2247 lbf)
		Seam Slippage	BS 3320: 1988 ASTM D 434: 1995 ASTM D 1683/D 1683M: 11a EN ISO 13936-1: 2004 EN ISO 13936-2: 2004 FZ/T 81007: 2012	40 N to 10 kN (9 lbf to 2247 lbf) 0.01 cm to 5.0 cm
		Threads per unit length (woven fabric construction)	ASTM D 3775: 2012 BS EN 1049 Part 2: 1994	(2 to 80) threads/cm (5 to 200) threads/inch
		Fabric Width	ISO 3932: 1976 ASTM D 3774: 1996 (2012)	1 cm to 300 cm

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		Fabric weight per unit area (per running Yardage)	BS 2471: 2005 ISO 3801: 1977, Method 5 ASTM D 3776M-09a (2013), Option C	10 g/m ² to 1000 g/m ²
		Distortion in bowed and skewed fabrics	BS 2819: 1990 + A2: 2016 ASTM D 3882-08 (2016)	1 % to 50 %
		Surface Flammability of Carpets & rugs	16 CFR 1630: 2012 16 CFR 1631: 2012	(0 to 20.32) cm (0 to 8) inch
		Blanket Flammability	ASTM D 4151: 2010	Qualitative
		Sharp Edge & Sharp Point	ASTM F 963: 2016 16 CFR 1500.48: 2012 16 CFR 1500.49: 2012	Qualitative
		Flammability of general Clothing Textiles	ASTM D 1230: 2016 CPSC CFR 16 Part 1610: 2008	1 s to 90 s
		Furniture & Furnishing Flammability	CA TB 117: 2013	Char length: Upto 4.5 inch
		Abrasion Resistance (Accelerator method)	AATCC 93: 2011, Method A	Weight loss: 1 % to 50 %
		Pilling Resistance	BS EN ISO 12945-1: 2001 ASTM D 4970/ D 4970M-16 ASTM D 3512/ D 3512M-16 ASTM D 3514/ D 3514M-16 BS EN ISO 12945-2: 2000 GB/T 4802.1: 2008	Qualitative (Grade: 1 to 5)
		Abrasion Resistance	ASTM D 4966: 2016 ASTM D 3886: 1999 (2015) ASTM D 3885-07a (2015) BS EN ISO 12947-2: 1999 BS EN ISO 12947-1: 1999 Cor 1: 2002	(1000 to 1,00,000) cycles
		Fabric Count (Knitted Fabric)	BS 5441: 1988 ASTM D 3887: 1996 (2008)	(2 to 80) per cm (5 to 200) per inch
		Small parts (Chocking Hazard test)	16 CFR 1501: 2012	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Flammability of Children's sleepwear sizes 0 through 6x (FF 3-71)	16 CFR 1615: 2012	Char length: Upto 25.4 cm
		Flammability of Children's sleepwear sizes 7 through 14 (FF 5-74)	16 CFR 1616: 2012	Char length: Upto 25.4 cm
		Tension Test	16 CFR 1500.51-53: 2012	Qualitative
		Impact test	16 CFR 1500.51-53: 2012	Qualitative
		Snap tension and Torques test	16 CFR 1500.51-53: 2012	Qualitative
		Bite test	16 CFR 1500.51-53: 2012	Qualitative
		Thermal Insulation after washing in domestic oven gloves	BS 6526: 1998	1 °C to 50 °C
		Slide Fasteners (Zips) Specifications	BS 3084: 2006	40 N to 400 N (4 kg to 40 kg)
		Strength Test for Zippers	ASTM D 2061: 07 (2013)	40 N to 400 N (4 kg to 40 kg)
		Operability of Zippers	ASTM D 2062: 03 (2014)	(0.05 kg to 5 kg) 0.5 N to 50 N
		Stretch & Recovery (Woven)	ASTM D 3107: 07 (2015)	Stretch: Upto 50 % Recovery: Upto 90 % Growth: Upto 80 %
		Stretch and Recovery (Knitted)	ASTM D 2594: 04 (2016)	Stretch: Upto 50 % Recovery: Upto 90 % Growth: Upto 80 %
		Residual Extension	EN 14704-1: 2005 BS 4952: 1992	1 % to 100 %
		Burning behavior-45° test Determination of flame spread rate	GB/T 14644: 2014	0.3 s to 60 s
		Sharp Edge Sharp Point	GB/T 31702: 2015	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		CPSC Drawstrings Guideline on Children's upper outer wear / clothing a) Presence of drawstrings at Hood & Neck area. b) Presence of drawstrings at Waist & Bottom area or lower of garments. c) If Present: i) Is the length of drawstring outside drawstring channel more than 75 mm when the garment is expanded to its fullest width. ii) Presence of Toggles, Knots or any other decorative attachments at the free end of drawstring. iii) Is the drawstring bar tacked, if it is one continuous string?	ASTM F 1816: 97 (2009) BS EN 14682: 2014 CPSC 208: 1999	Qualitative
2.	Yarns	Twist per unit length	IS 832 (Part 1): 2011 ISO 2061: 2015	(200 to 2000) TPM (5 to 50) TPI
3.	Fibres, Wool & its products	Wool Fiber Length	ISO 6989: 1981, Method C	5 mm to 300 mm
		Micron of Wool (Fiber Diameter)	ISO 137: 2015 IWTO TM 8: 2011	5 µm to 1000 µm
		Fiber Strength	ISO 5079: 1995	1.0 cN to 47.5 cN
		Fiber Bind	ISO 11856: 2014	(0.001 to 10) g
4.	Carpet & Rugs	Tuft Withdrawal Strength	ISO 4919: 2012 TWC TM 202: 2009	2 N to 100 N
		Carpet Pile Abrasion	BS EN 1813: 1998 TWC TM 283: 2009	(0.001 g to 50 g) /1000 cycles
		Change in Surface Structure of floor covering (Hexapod Tumbler)	ISO 10361: 2015 ISO 9405: 2015 TWC TM 247: 2009	Qualitative (Grade: 1 to 5)

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
II.	LEATHER AND LEATHER PRODUCTS			
1.	Leather / Footwear	Tensile Strength	BS 3144 Part 5: 1968 SATRA TM 43: 2000 ISO 3376: 2011 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	(1 to 200) N/mm ²
		Tear Strength	BS 3144 Part 6: 1981 SATRA TM 162: 1992 SATRA TM 179: 1996 SATRA TM 30: 1995 ISO 3377-I: 2011 & Part II: 2016 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 N to 2 kN
		Scuff Resistance by Impact	BS 3144 Part 15: 1981 SATRA TM 38: 1999	Qualitative
		Water Vapour Permeability	BS 3144 Part 24: 1981 SATRA TM 172: 1993 ISO 14268: 2012 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	(0.0001 to 200) mg/cm ² *h

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Water Vapour Coefficient	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	(1 to 500) mg/cm ²
		Water Penetration & Water Absorption	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2004)	(0.0001 to 200) g
		Water Vapour Absorption	SATRA TM 178: 2001 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	(1 to 500) mg/cm ²
		Martindale Abrasion	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011) SATRA TM 31: 2003 A1 (2005)	Qualitative
		Ross Flexing	BS 5131:2.1: 1991 SATRA TM 60: 1992	0.1 mm to 25 mm
		Sole Flexing (Benewart)	BS EN 12769: 1997 SATRA TM 161: 2004 ISO 17707: 2005 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 DIN 53543: 1979	0.1 mm to 25 mm
		Compression set	SATRA TM 64: 1996	1 % to 95 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Bata Belt Flexing	SATRA TM 133: 1993	Qualitative
		Thickness of non cleated outsole	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 90 mm
		Tear strength	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 N to 2 kN
		Ross flexing resistance	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.1 mm to 25 mm
		Interlayer bond strength	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 N/mm to 200 N/mm
		Hardness (Durometer)	SATRA TM 205: 1999 ISO 48: 2010	(0 to 90) Shore A (5 to 95) Shore D
		Floor Marking	SATRA TM 223: 2000	Qualitative
		Abrasion Resistance (Drum)	BS 903: A9: 1988 SATRA TM 174: 1994 ISO 4649: 2010 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011) DIN 53516: 1987	0.001 m ³ to 1500 m ³
		Cleated area/height (Design)	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011	0.01 mm to 304 mm

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			(ISO 20344 / 20345: 2004)	
		Thickness of cleated outsole (Design)	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 80 mm
		Resistance to hot contact	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Grain Crack	BS 3144 Part 7: 1981 SATRA TM 48: 1996 ISO 3378: 2002	Qualitative
		Whole Shoe Flexing	SATRA TM 92: 1992	Qualitative
		Rapid Sole Bond Strength	BS 5131: 5.1: 1990 SATRA TM 404: 1992	1 N to 1000 N
		Sole Bond peel Strength	BS 5131: 5.4: 1978 SATRA TM 411: 1992 ISO 17708: 2003 ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 N/mm to 500 N/mm
		Heel Impact	BS 5131: 4.8: 1990 SATRA TM 20: 2000	Qualitative
		Heel Fatigue	BS 5131: 4.9: 1991 SATRA TM 21: 2001	Qualitative
		Slip Resistance	SATRA TM 144: 2011 ISO 13287: 2012 ISO 20345: 2011 ISO 20346: 2014 ISO 20347 : 2012	0.01 mm to 1.25 mm
		Strap to Sole Attachment	SATRA TM 120: 2001	1 N to 2 kN

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		Strap / Buckle & related Attachment Strength	BS 5131: 5.11: 1981 SATRA TM 181: 1996	1 N to 2 kN
		Toe-post attachment	SATRA TM 118: 1992	1 N to 2 kN
		Leak proofness test	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Decorative Trim Attachment	SATRA TM 117: 1992	1 N to 2 kN
		Heel Attachment	SATRA TM 113: 1996 BS EN 12785: 2000 BS 5131: 5.10: 1990	1 N to 1 kN
		Height of Upper	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 800 mm
		Seat region	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Construction	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Toe-Protection (General Clause)	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011	Qualitative

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			(ISO 20344 / 20345: 2011)	
		Internal length of toe-cap	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 90 mm
		Impact resistance	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 25 mm
		Compression resistance	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	0.01 mm to 20 mm
		Behavior of toe-cap	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Specific ergonomic features	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Adhesion of Finish	ISO 11644: 2009	1 N to 2 kN
		Penetration resistance	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 N to 100 kN
		Heat insulation of sole complex	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 °C to 30 °C
		Top-Piece attachment	SATRA TM 108: 1992 BS 5131: 5.9: 1979	1 N to 2 kN

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		Cold insulation of sole Complex	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	(-)1 °C to (-)20 °C
		Electrical properties (Conductive footwear, Antistatic footwear)	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	100 KΩ to 1000 MΩ
		Electrically (insulating footwear)	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012	Qualitative
		Lace to Lace Abrasion	SATRA TM 154: 1992	Qualitative
		Lace to Eyelet Abrasion	SATRA TM 93: 1993	Qualitative
		Velcro Peel & Shear Strength	SATRA TM 123: 1992 ISO 22776: 2004 ISO 22777: 2004	1 N to 60 N
		Fiber Board Flexing (Flexing Index)	BS 5131: 4.2: 1990 SATRA TM 3: 1999	1 N to 20 N
		Shank Stiffness	SATRA TM 58: 1999	50 g to 800 g
		Shank Fatigue	SATRA TM 97: 1999	Qualitative
		Thickness of insole	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 mm to 15 mm
		Water absorption & desorption of insole / Insock	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012	0.0001 g to 200 g

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			IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	
		Flexing Endurance (Vamp)	BS EN ISO 7854: 1997 SATRA TM 25: 2016	Qualitative
		Hydrolysis	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Resistance to fuel oil	ISO 20344 / 20345: 2011 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Flexing Endurance (Bally)	BS 3144 Part 13: 1981 SATRA TM 55: 1999 ISO 5402: 2011	Qualitative
		Energy absorption of seat region	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	1 J to 6 kJ
		Abrasion resistances of insole / Insock	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011 (ISO 20344 / 20345: 2011)	Qualitative
		Abrasion resistance of insole	ISO 20344 / 20345: 2011 ISO 20346: 2014 ISO 20347: 2012 IS 15298 (Part 1, 2, 3 & 4): 2011	Qualitative

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		Water resistance	(ISO 20344 / 20345: 2011) ISO 20344: 2011 (Clause No. 5.15.1) ISO 20345: 2011 ISO 20346: 2014 ISO 20347: 2012	Qualitative
2.	Footwear & Component	Requirements for Toe Caps:	BS EN 12568: 2010	
		Finishing	Clause 4.2.1	Qualitative
		Internal Length	Clause 4.2.2.1 & 5.2.1	10 mm to 90 mm
		Width of Flange	Clause 4.2.2.2	1 mm 15 mm
		Impact Resistance	Clause 4.2.3 & 5.2.2	1 mm 30 mm
		Compression Resistance	Clause 4.2.4 & 5.2.3	1 mm 30 mm
		Corrosion Resistance	Clause 4.3 & 5.3	Qualitative
		Impact resistance after five environmental treatments	Clause 4.4 & 5.4	1 mm 30 mm
		Requirements for Penetration Resistance inserts:	BS EN 12568: 2010	Qualitative
		Nail penetration resistance	Clause 6.2.1 & 7.2.1	Qualitative
		Multiple Flex Resistance	Clause 6.2.2 & 7.2.2	Qualitative
		Corrosion Resistance	Clause 6.3.2 & 7.3.2	Qualitative
		Nail penetration resistance after five environmental treatment	Clause 6.4 & 7.4	Qualitative
3.	Leather & Leather Product	Comfort & efficiency	EN 420: 2009	Qualitative
		Dexterity	EN 420: 2009	Qualitative
		Water vapor transmission absorption	EN 420: 2009	0.0001 g to 200 g
		Resistance of Glove Material to Water penetration	EN 420: 2009	(1 to 200) minutes
		Abrasion resistance	EN 388: 2016 (Clause 6.1)	Qualitative

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		Blade Cut Resistance	EN 388: 2016 (Clause 6.2)	(0.5 to 20) Index
		Tear resistance	EN 388: 2016 (Clause 6.4)	1 N to 500 N
		Puncture resistance	EN 388: 2016 (Clause 6.5)	1 N to 2 kN
		Contact Heat	EN 12477: 2001 / A1: 2005 (Clause 5.6) EN 407: 2004 (Clause 5.2)	Qualitative
		Convection Heat	EN 12477: 2001 / A1: 2005 (Clause 5.7) EN 407: 2004 (Clause 5.3)	Qualitative
		Resistance to Small Splashes of Molten metal	EN 12477: 2001 / A1: 2005 (Clause 5.8) EN 407: 2004 (Clause 5.5)	Qualitative
		Radiant heat	EN 407: 2004 (Clause 5.4)	Qualitative
		Burning Behavior	EN 12477: 2001 / A1: 2005 (Clause 5.8) EN 407: 2004 (Clause 5.1)	Qualitative
III.	PAPER & PAPER PRODUCTS			
1.	Corrugated solid fiber board (Packed product)	Bursting Strength Test	IS 1060 (Part 1): 1966, Section 12.5 ISO 2759: 2014 TAPPI T-810: 2011	(10 to 70) kg/cm ²
		Vibration test	ASTM D 999: 2008 Method A-2-Repetitive shock test Rotary motion (Fixed Vibration) (Frequency of vibration 2.5 Hz to 5 Hz)	Qualitative (Visual)
2.	Packed Product	Performance test (Strength & robustness of product and package combination)	ASTM D 4169: 2016, Section 12 (Random Vibration, Frequency: 1 to 200 Hz) ISTA- 1A-2001 (Fixed vibration + Drop/ Incline Impact)	Qualitative (Visual)

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			ISTA- 1B-2001 (Fixed vibration + Drop/ Incline Impact+ Rotational Edge Drop) ISTA- 1C-2001 (Compression Conditioning + Fixed vibration/ Random Vibration + Drop/ Incline Impact) ISTA- 1D-2001 (Compression Conditioning + Fixed vibration/ Random Vibration + Drop/ Incline Impact + Rotational Edge Drop) ISTA- 1E-2005 (Vertical Linear Fixed Vibration/ Random Vibration + Incline Impact + Rotational Edge Drop)	
3.	Packaging Corrugated carton board	Puncture Resistance	ISO 3036: 1975	1.24 J to 38.4 J
		Edge wise compressive strength or Edge crush Test	ISO 3037: 2013 TAPPI T811-OM 11	4 kN/m to 40 kN/m
4.	Plastic film / sheet (synthetic and natural polymeric material, foil)	Water vapor transmission rate (WVTR)	ASTM F 1249: 2013	(0 to 100) g/(m ² .day)
		Oxygen Transmission Rate (OTR)	ASTM D 3985: 05(2010)e1	(0.01 to 600) cc/(m ² /day)
IV.	PERFORMANCE/ DURABILITY/ SAFETY TEST			
1.	Candle Containers	Annealing Test	ASTM F 2179: 2014 (Method A)	Qualitative

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2.	Solid Objects	Flammability of Solids (Ignition Time: 5s, Time of Combustion: 60s)	16 CFR 1500.44: 2010	Burn Rate: Upto 2.54 mm/s (Upto 1 inch/s)
3.	Domestic Cookware for use on top of a stove, cooker or a hob	Construction	EN 12983-1: 2000 + A1: 2004, Clause 6	Qualitative
		Resistance to Burning	EN 12983-1: 2000 + A1: 2004, Clause 7.1/7.2 + Annexure A	Qualitative
		Heat Resistance	EN 12983-1: 2000 + A1: 2004, Clause 7.3 + Annexure B	Qualitative
		Torque Resistance	EN 12983-1: 2000 + A1: 2004, Clause 7.4 + Annexure C	Qualitative
		Bending Strength	EN 12983-1: 2000 + A1: 2004, Clause 7.5 + Annexure D	Qualitative
		Fatigue Resistance	EN 12983-1: 2000 + A1: 2004, Clause 7.6 + Annexure E	Qualitative
		Thermal Hazards	EN 12983-1: 2000 + A1: 2004, Clause 7.7 + Annexure F	Qualitative
		Pouring	EN 12983-1: 2000 + A1: 2004, Clause 9.1 + Annexure L	Qualitative
		Base Stability under shock condition	EN 12983-1: 2000 + A1: 2004, Clause 9.2 + Annexure M	Qualitative
		Resistance to Pull assembly	EN 12983-2: 2000 + A1: 2005, Clause 4 + Annexure A	Qualitative
		Endurance on non-stick coating	EN 12983-2: 2000 + A1: 2005, Clause 5.2 + Annexure B	Qualitative

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		Corrosion Resistance for unplated steel cutlery	ISO 8442-1: 1998, Section 6.1 + A.1 ISO 8442-2: 1998, Section 7.1 + Annexure C	Qualitative
4.	Furniture- Office Chair/ public seating	Backrest Strength Test - Static- Type I	ANSI/ BIFMA X5.1: 2011, Clause 5	Qualitative
		Backrest Strength Test- Static- Type II & III Chair	ANSI/ BIFMA X5.1: 2011, Clause 6	Qualitative
		Base Test- Static	ANSI/ BIFMA X5.1: 2011, Clause 7	Qualitative
		Drop Test- Dynamic	ANSI/ BIFMA X5.1: 2011, Clause 8 ANSI/BIFMA X5.4: 2012, Clause 15	Qualitative
		Swivel Test-Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 9 ANSI/BIFMA X5.4: 2012, Clause 19	Qualitative
		Tilt Mechanism Test- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 10 ANSI/BIFMA X5.4: 2012, Clause 20	Qualitative
		Seating Durability Test- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 11 ANSI/BIFMA X5.4: 2012, Clause 14	Qualitative
		Stability Test	ANSI/ BIFMA X5.1: 2011, Clause 12 ANSI/BIFMA X5.4: 2012, Clause 21	Qualitative
		Arm Strength Test- Vertical- Static	ANSI/ BIFMA X5.1: 2011, Clause 13 BIFMA X5.4: 2012, Clause 10	Qualitative

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		Arm Strength Test- Horizontal- Static	ANSI/ BIFMA X5.1: 2011, Clause 14 ANSI/BIFMA X5.4: 2012, Clause 9	Qualitative
		Backrest Durability Test- Cyclic- Type I	ANSI/ BIFMA X5.1: 2011, Clause 15	Qualitative
		Backrest Durability Test- Cyclic- Type II and III	ANSI/ BIFMA X5.1: 2011, Clause 16	Qualitative
		Caster/ Chair Base Durability Test- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 17 ANSI/BIFMA X5.4: 2012, Clause 18	Qualitative
		Leg strength Test- Front and Side Application	ANSI/ BIFMA X5.1: 2011, Clause 18 ANSI/BIFMA X5.4: 2012, Clause 16	Qualitative
		Footrest Static Load Test- Vertical	ANSI/ BIFMA X5.1: 2011, Clause 19	Qualitative
		Footrest Durability Test- Vertical- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 20	Qualitative
		Arm Durability Test- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 21	Qualitative
		Tablet Arm Load Test- Static	ANSI/ BIFMA X5.1: 2011, Clause 23 ANSI/BIFMA X5.4: 2012, Clause 23	Qualitative
		Tablet Arm Load Ease Test- Cyclic	ANSI/ BIFMA X5.1: 2011, Clause 24 ANSI/BIFMA X5.4: 2012, Clause 22	Qualitative
		Back Strength Test- Static- Horizontal	ANSI/BIFMA X5.4: 2012, Clause 5	Qualitative
		Back Strength Test- Static-Vertical	ANSI/BIFMA X5.4: 2012, Clause 6	Qualitative

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		Backrest Durability Test- Horizontal- Cyclic	ANSI/BIFMA X5.4: 2012, Clause 7	Qualitative
		Backrest Durability Test- Vertical- Cyclic	ANSI/BIFMA X5.4: 2012, Clause 8	Qualitative
		Arm Durability Test- Horizontal- Cyclic	ANSI/BIFMA X5.4: 2012, Clause 11	Qualitative
		Arm Durability Test for Multiple Seating Units- Vertical- Cyclic	ANSI/BIFMA X5.4: 2012, Clause 12	Qualitative
		Arm Durability Test for Single Seating Units- Angular- Cyclic	ANSI/BIFMA X5.4: 2012, Clause 13	Qualitative
		Unit Drop Test- Dynamic	ANSI/BIFMA X5.4: 2012, Clause 17	Qualitative
		Shear and squeeze points	BS EN 12520: 2015, Clause 5.1/5.2	Qualitative
		Stability	BS EN 12520: 2015, Clause 5.3 EN 1022: 2005	Qualitative
		Strength and durability	BS EN 12520: 2015, Clause 5.4 EN 1728: 2012 (Table-1)	Qualitative
5.	Furniture- Domestic Seating- Work Chair, other than work chair	Seat Static load and back static load test	EN 1728: 2012, Clause 6.4 / 8.2	Qualitative
		Seat Front Edge Static Load	EN 1728: 2012, Clause 6.5 / 7.4	Qualitative
		Vertical load on back rests	EN 1728: 2012, Clause 6.6	Qualitative
		Horizontal forward static load test on back rests	EN 1728: 2012, Clause 6.7	Qualitative
		Foot rest static load test	EN 1728: 2012, Clause 6.8 / 7.8	Qualitative
		Leg rest static load test	EN 1728: 2012, Clause 6.9	Qualitative
		Arm rest sideways static load test	EN 1728: 2012, Clause 6.10 / 7.7	Qualitative

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		Arm rest downwards static load test	EN 1728: 2012, Clause 6.11 / 7.5 / 7.6 / 8.6	Qualitative
		Headrest static load test	EN 1728: 2012, Clause 6.12	Qualitative
		Vertical upwards static load on arm rests	EN 1728: 2012, Clause 6.13	Qualitative
		Vertical static load on auxiliary writing surfaces	EN 1728: 2012, Clause 6.14	Qualitative
		Leg forward static load test	EN 1728: 2012, Clause 6.15	Qualitative
		Leg sideways static load test	EN 1728: 2012, Clause 6.16	Qualitative
		Combined seat and back durability test	EN 1728: 2012, Clause 6.17 / 7.3 / 8.4	Qualitative
		Seat front edge durability test	EN 1728: 2012, Clause 6.18	Qualitative
		Durability test on seating with a multi-position back rest	EN 1728: 2012, Clause 6.19	Qualitative
		Arm rest durability test	EN 1728: 2012, Clause 6.20 / 7.10 / 8.7	Qualitative
		Foot rest durability test	EN 1728: 2012, Clause 6.21 / 7.12	Qualitative
		Auxiliary writing surfaces durability test	EN 1728: 2012, Clause 6.22	Qualitative
		Tipping Seat operation	EN 1728: 2012, Clause 6.23	Qualitative
		Seat impact test	EN 1728: 2012, Clause 6.24	Qualitative
		Back impact test	EN 1728: 2012, Clause 6.25	Qualitative
		Arm rest impact test	EN 1728: 2012, Clause 6.26	Qualitative
		Drop tests	EN 1728: 2012, Clause 6.27	Qualitative
		Backward fall test	EN 1728: 2012, Clause 6.28	Qualitative
		Castor and chair base durability	EN 1728: 2012, Clause 6.29 / 7.13	Qualitative
		Rolling resistance of the unloaded chair	EN 1728: 2012, Clause 6.30 / 7.14	Qualitative

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		Seat and back durability	EN 1728: 2012, Clause 7.9 / 8.4	Qualitative
		Swivel test	EN 1728: 2012, Clause 7.11	Qualitative
		Additional seat and leg rest static load test	EN 1728: 2012, Clause 8.3	Qualitative
		Durability test on back rest mechanism	EN 1728: 2012, Clause 8.5	Qualitative
		Impact Test	EN 1728: 2012, Clause 8.8	Qualitative
		Edges and corners	EN 581-1: 2006, Clause 5.1	Qualitative
		Tubular components, holes and gaps accessible during use	EN 581-1: 2006, Clause 5.2	Qualitative
		Shear and squeeze points	EN 581-1: 2006, Clause 5.3	Qualitative
		Safety, Strength and Durability for seating	EN 581-2: 2015 EN 1728: 2012	Qualitative
6.	Storage Furniture-Desk / Table and Small office & Home office furniture	Stability with Extendible Elements Open Test	ANSI/BIFMA X5.5: 2014, Clause 4.2 SOHO S6.5 (2013), Clause 4	Qualitative
		Stability under Vertical Load Test	ANSI/BIFMA X5.5: 2014, Clause 4.3 SOHO S6.5 (2013), Clause 4	Qualitative
		Horizontal Stability Test for Desks/Tables with Casters	ANSI/BIFMA X5.5: 2014, Clause 4.4 SOHO S6.5 (2013), Clause 4	Qualitative
		Force Stability Test for Tall Desks/Tables Products	ANSI/BIFMA X5.5: 2014, Clause 4.5 SOHO S6.5 (2013), Clause 4	Qualitative
		Concentrated Functional Load & Proof load	ANSI/BIFMA X5.5: 2014, Clause 5.2 / 5.4 SOHO S6.5 (2013), Clause 5	Qualitative

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		Distributed Functional Load & Proof Load	ANSI/BIFMA X5.5: 2014, Clause 5.3 / 5.5 SOHO S6.5 (2013), Clause 4	Qualitative
		Transaction Surface Torsion Load Test	ANSI/BIFMA X5.5: 2014, Clause 5.6	Qualitative
		Extendible Element Static Load	ANSI/BIFMA X5.5: 2014, Clause 5.7 SOHO S6.5 (2013), Clause 5	Qualitative
		Benching Systems-Distributed Functional Load and Stability Test	ANSI/BIFMA X5.5: 2014, Clause 5.8	Qualitative
		Benching Systems-Distributed Proof Load	ANSI/BIFMA X5.5: 2014, Clause 5.9	Qualitative
		Top Load Ease Cycle Test	ANSI/BIFMA X5.5: 2014, Clause 6 SOHO S6.5 (2013), Clause 6	Qualitative
		Drop Test	ANSI/BIFMA X5.5: 2014, Clause 7 SOHO S6.5 (2013), Clause 10	Qualitative
		Leg Strength	ANSI/BIFMA X5.5: 2014, Clause 8 SOHO S6.5 (2013), Clause 7	Qualitative
		Separation Test for Tall Desk/Table	ANSI/BIFMA X5.5: 2014, Clause 9	Qualitative
		Cycle Test for Extendible Elements	ANSI/BIFMA X5.5: 2014, Clause 10 SOHO S6.5 (2013), Clause 12	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Extendible Element Retention Impact and Durability Test	ANSI/BIFMA X5.5: 2014, Clause 11 SOHO S6.5 (2013), Clause 13	Qualitative
		Extendible Element Rebound Test	ANSI/BIFMA X5.5: 2014, Clause 12 SOHO S6.5 (2013), Clause 14	Qualitative
		Interlock Strength Test	ANSI/BIFMA X5.5: 2014, Clause 13 SOHO S6.5 (2013), Clause 11	Qualitative
		Force Test for Extendible Element and Door Locks	ANSI/BIFMA X5.5: 2014, Clause 14.2, 14.3	Qualitative
		Locking Mechanism Cycle Test	ANSI/BIFMA X5.5: 2014, Clause 15	Qualitative
		Work Surface Vertical Cycle Test	ANSI/BIFMA X5.5: 2014, Clause 16	Qualitative
		Strength Test for Vertically-Hinged Doors, Bi-folded Doors, and Vertically Receding Doors	ANSI/BIFMA X5.5: 2014, Clause 17.3	Qualitative
		Hinge Override Test for Vertically-Hinged Doors	ANSI/BIFMA X5.5: 2014, Clause 17.4	Qualitative
		Vertically Receding Doors Strength Test	ANSI/BIFMA X5.5: 2014, Clause 17.5 SOHO S6.5 (2013), Clause 17	Qualitative
		Horizontally Receding Doors Strength Test	ANSI/BIFMA X5.5: 2014, Clause 17.6 SOHO S6.5 (2013), Clause 17	Qualitative
		Wear and Fatigue Test for Hinged, Horizontal Sliding and Tabour Doors	ANSI/BIFMA X5.5: 2014, Clause 17.7	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
7.	Office Storage Furniture- Desk / Table	Wear and Fatigue Test for Horizontal Receding Door	ANSI/BIFMA X5.5: 2014, Clause 17.8	Qualitative
		Vertical and Horizontal Receding Door Out Stop Test- Cyclic Impact and Durability	ANSI/BIFMA X5.5: 2014, Clause 17.9	Qualitative
		Slam Closed Test for Vertically Hinged and Vertically Receding Doors	ANSI/BIFMA X5.5: 2014, Clause 17.10	Qualitative
		Drop Cycle Test for Horizontally Hinged and Horizontally Receding Doors	ANSI/BIFMA X5.5: 2014, Clause 17.11	Qualitative
		Slam Test for Doors that free fall open or closed	ANSI/BIFMA X5.5: 2014, Clause 17.12	Qualitative
		Slam Open and Closed Test for Doors that do not free fall	ANSI/BIFMA X5.5: 2014, Clause 17.13	Qualitative
		Door Latch Test	ANSI/BIFMA X5.5: 2014, Clause 17.14	Qualitative
		Durability Test for Desks and Tables with Casters	ANSI/BIFMA X5.5: 2014, Clause 18 SOHO S6.5(2013)- Clause 19	Qualitative
		Pull Force Test	ANSI/BIFMA X5.5: 2014, Clause 19 SOHO S6.5(2013)- Clause 20	Qualitative
		Tilting Top Table- Cycle Test	ANSI/BIFMA X5.5: 2014, Clause 20	Qualitative
		Tilting Top Table- Latch Strength	ANSI/BIFMA X5.5: 2014, Clause 21	Qualitative
8.	Domestic Table (Indoor)	Shear and squeeze points	EN 12521: 2015, Clause 5.1 / 5.2	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Stability	EN 12521: 2015, Clause 5.3	Qualitative
		Strength and durability requirement	EN 12521: 2015, Clause 6 (Table-2) EN 1730: 2012	Qualitative
		Horizontal static load test	EN 1730: 2012, Clause 6.1 / 6.2	Qualitative
		Vertical static load tests	EN 1730: 2012, Clause 6.3	Qualitative
		Horizontal durability and stiffness test	EN 1730: 2012, Clause 6.4	Qualitative
		Vertical durability test	EN 1730: 2012, Clause 6.5	Qualitative
		Vertical impact test	EN 1730: 2012, Clause 6.6	Qualitative
		Deflection of table tops	EN 1730: 2012, Clause 6.7	Qualitative
		Durability of tables with castors	EN 1730: 2012, Clause 6.8	Qualitative
		Drop test	EN 1730: 2012, Clause 6.9	Qualitative
9.	Outdoor Table (Camping use, Domestic use and Contract use)	Stability	EN 1730: 2012, Clause 7	Qualitative
		Stability	EN 581-3: 2007, Clause 6.1 / 6.2	Qualitative
		Vertical static load test	EN 581-3: 2007, Clause 6.3	Qualitative
10.	Domestic and Kitchen Storage units	Horizontal fatigue test	EN 581-3: 2007, Clause 6.4	Qualitative
		General safety requirements	BS EN 14749: 2016, Clause 5.2	Qualitative
		Principles of safety requirements	BS EN 14749: 2016, Clause 5.1	Qualitative
		Structural safety requirements	BS EN 14749: 2016, Clause 5.3	Qualitative
		Wall and top hanging units	BS EN 14749: 2016, Clause 5.3.11	Qualitative
11.	Mattress	Stability	BS EN 14749: 2016, Clause 5.4	Qualitative
		Durability test (cyclic)	BS EN 1957: 2012, Clause 7.2	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
12.	Bed and Mattress	Stability	EN 1725: 1998 (R 2010), Clause 7.1/7.2, EN 1022	Qualitative
		Durability test	EN 1725: 1998 (R 2010), Clause 7.3	Qualitative
		Vertical Impact	EN 1725: 1998 (R 2010), Clause 7.4	Qualitative
		Durability of Bed Edge	EN 1725: 1998 (R 2010), Clause 7.5	Qualitative
		Vertical Static load	EN 1725: 1998 (R 2010), Clause 7.6	Qualitative
		Vertical static load test of the edge of the bed	EN 1725: 1998 (R 2010), Clause 7.7	Qualitative
13.	Stroller/ baby cot/ perambulator	Structural integrity/ Irregular surface test (Cyclic)	EN 1888: 2012, Clause 8.10.3	Qualitative
14.	Baby Carrier/ Soft carrier	Durability of attachment systems	EN 13209: 2005, Clause 6.6	Qualitative
15.	Furniture	Flammability test for Furniture	BS 5852 Part 1: 1979 BS 5852 Part 2: 1982	Qualitative
16.	Laboratory Furniture- Base Cabinet, Wall mounted cabinet, Table- Powder Coated Metal & Wood/MDF	Cabinet Load Test	SEFA 8-M/8-W: 2014, Clause 4.2	Qualitative
		Cabinet Concentrated Load Test	SEFA 8-M/8-W: 2014, Clause 4.3	Qualitative
		Cabinet Torsion	SEFA 8-M/8-W: 2014, Clause 4.4	Qualitative
		Cabinet Submersion Test	SEFA 8-W: 2014, Clause 4.5	Qualitative
		Door Hinge Test	SEFA 8-M/8-W: 2014, Clause 5.1	Qualitative
		Door Impact Test	SEFA 8-M/8-W: 2014, Clause 5.2	Qualitative
		Door Cycle Test	SEFA 8-M/8-W: 2014, Clause 5.3	Qualitative
		Drawer Static Test	SEFA 8-M/8-W: 2014, Clause 6.1	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drawer and Door Pull Test	SEFA 8-M: 2014, Clause 6.2	Qualitative
		Drawer Impact Test	SEFA 8-M/8-W: 2014, Clause 6.3	Qualitative
		Drawer Internal Impact	SEFA 8-M/8-W: 2014, Clause 6.4	Qualitative
		Drawer Cycle Test	SEFA 8-M/8-W: 2014, Clause 6.5	Qualitative
		Shelving Load Test	SEFA 8-M/8-W: 2014, Clause 7.2	Qualitative
		Chemical Spot Test	SEFA 8-M/8-W: 2014, Clause 8.1	Qualitative
		Hot Water Test	SEFA 8-M/8-W: 2014, Clause 8.2	Qualitative
		Impact Test	SEFA 8-M: 2014, Clause 8.3	Qualitative
		Paint Adhesion on Steel	SEFA 8-M: 2014, Clause 8.4 ASTM D 3359	Qualitative
		Paint Hardness on Steel	SEFA 8-M: 2014, Clause 8.5 ASTM D 3363	Qualitative
		Wall mounted cabinet-Load Test	SEFA 8-M/8-W: 2014, Clause 9.2	Qualitative
		Table-Load Test	SEFA 8-M/8-W: 2014, Clause 9.2	Qualitative
		Table Racking	SEFA 8-M/8-W: 2014, Clause 9.2	Qualitative
V.	TOYS AND SIMILAR PRODUCTS			
1.	Toys with Small parts		AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.4	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop test Torque test Tip over test for large bulky toy Tension test Compression test Flexure Test Drop test Torque test Tip over test for large bulky toy Tension test Compression test Flexure Test Bite test Impact tests Drop test Torque test Tip over test for large bulky toy Tension test Compression test Flexure Test Small Parts Cylinder tests Torque Test Tension test	Clause 5.24.2 Clause 5.24.5 Clause 5.24.3 Clause 5.24.6 Clause 5.24.7 Clause 5.24.8 Japan ST 2012, Clause 4.2 Clause 5.22.2 Clause 5.22.5 Clause 5.22.3 Clause 5.22.6 Clause 5.22.7 Clause 5.22.8 16 CFR 1500.51: 2012 ASTM F 963: 2016, Clause 4.6 16 CFR 1500.18: 2012 16 CFR 1501: 2012 Clause 8.7 Clause 8.7.1 Clause 8.8 Clause 8.7.2 Clause 8.9 Clause 8.10 Clause 8.12 EN 71-1: 2014, Clause 8.2 Clause 8.3 Clause 8.4	

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop Test Impact Test Compression Test	Clause 8.5 Clause 8.7 Clause 8.8	
2.	Toys with Edges	Sharp Edge test Torque test Tension Test Compression Test Sharp Edge Test Torque test Tension Test Compression Test Sharp Edge Test	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.6 Clause 5.8 Clause 5.24.5 Clause 5.24.6 Clause 5.24.7 Japan ST 2012, Clause 4.6 Clause 5.8 Clause 5.22.5 Clause 5.22.6 Clause 5.22.7 ASTM F 963: 2016, Clause 4.7 16 CFR 1500.49: 2012 EN 71-1: 2014, Clause 8.11	Qualitative
3.	Toys with Points	Sharp Point test	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1:2014, Clause 4.7, Clause 5.9 Japan ST 2012, Clause 4.7, Clause 5.9 ASTM F 963: 2016, Clause 4.9 16 CFR 1500.48: 2012 EN 71-1: 2014, Clause 8.12	Qualitative
4.	Toys with Projections		AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1:2014	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop Test Tip over test Torque test Tension test Compression test Flexure test	Clause 4.8 Clause 5.24.2 Clause 5.24.3 Clause 5.24.5 Clause 5.24.6 Clause 5.24.7 Clause 5.24.8	
		Drop Test Tip over test Torque test Tension test Compression test Flexure test	Japan ST 2012, Clause 4.8 Clause 5.22.2 Clause 5.22.3 Clause 5.22.5 Clause 5.22.6 Clause 5.22.7 Clause 5.22.8	
		Drop Test Torque Test Tension test Compression test Normal Use test	ASTM F 963: 2016, Clause 4.8 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5	
5.	Toys with protruding parts	Tension test Sharp Edge Sharp point	EN 71-1: 2014, Clause 4.9 Clause 8.4.2.3 Clause 8.11 Clause 8.12	Qualitative
6.	Toys with Metal Wire and Rod	Flexure test Tension test Sharp Edge Sharp point	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.9 Clause 5.24.8 Clause 5.24.6 Clause 5.8 Clause 5.9	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Flexure test Tension test Sharp Edge Sharp point	Japan ST 2012, Clause 4.9 Clause 5.22.8 Clause 5.22.6.4 Clause 5.8 Clause 5.9	
		Flexure test Tension test Sharp Edge Sharp point	ASTM F 963: 2016, Clause 4.10 Clause 8.12 Clause 8.9 Clause 4.7 Clause 4.9	
7.	Toys with Flexible Plastic Sheeting	Thickness Adhesion Test Tension Test	EN 71-1: 2014, Clause 4.3, Clause 5.3, Clause 6 Clause 8.25.1 Clause 8.25.2 Clause 8.4.2	0.01 mm to 12.0 mm Qualitative
		Thickness test	ASTM F 963: 2016, Clause 4.12, Clause 8.21	0.01 mm to 12.0 mm
			AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.10, Clause 5.10	
			Japan ST 2012, Clause 4.10, Clause 5.10	
			SOR: 2011-17, Clause M0.3, Section 4	

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
10.	Toys With Expanding Materials	Small part cylinder test Torque Test Tension test Drop Test Impact Test Compression Test Expanding material test Drop Test Torque Test Tension Test Compression Test Small part Expanding Materials	EN 71-1: 2014, Clause 4.6 Clause 8.2 Clause 8.3 Clause 8.4.2 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.14 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014, Clause 4.3.2 Clause 5.24.2 Clause 5.24.5 Clause 5.24.6 Clause 5.24.7 Clause 5.2 Clause 5.21 Japan ST 2012, Clause 4.3.2 Clause 5.22.2 Clause 5.22.5 Clause 5.22.6 Clause 5.22.7 Clause 5.2 Clause 5.19	Qualitative
11.	Toys- Parts moving against each other / Folding Mechanisms and Hinges Driving Mechanism / Springs	Sharpness of edges Sharpness of point Drop test Impact test Tip over test Folding & Sliding Mechanism	EN 71-1: 2014, Clause 4.10 Clause 8.11 Clause 8.12 Clause 8.5 Clause 8.7 Clause 8.6 Clause 8.18	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop Test Torque Test Tension test Compression test Locking mechanism Normal Use Test	ASTM F 963: 2016, Clause 4.13 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.26 Clause 8.5	
		Folding mechanism test Other toy with Folding or sliding mechanism	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.12 Clause 5.22 Clause 5.22.3	
		Toy pushchair & perambulator Folding mechanism test Other toy with Folding or sliding mechanism	Japan ST2012, Clause 4.12 Clause 5.20 Clause 5.20.3	
		Test for Springs Accessibility part of component	AS/NZS ISO 8124.1:2016 IS 9873 (Part 1): 2012 ISO 8124-1:2014 , Japan ST 2012, Clause 4.14 Clause 5.7	

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
12.	Mouth Actuated and other toys intended to be put in the mouth	Small part cylinder test Soaking test Torque test Tension test Durability test Small part Tension test Torque test Durability test Small part Tension test Torque test Durability of Mouth Actuated Toys Small part Tension test Torque test Durability test Abuse Test	EN 71-1: 2014, Clause 4.11 Clause 8.2 Clause 8.9 Clause 8.3 Clause 8.4.2.1 Clause 8.17 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.25 Clause 5.2 Clause 5.24.6 Clause 5.24.5 Clause 5.20 Japan ST 2012, Clause 4.22 Clause 5.2 Clause 5.22.6.1 Clause 5.22.5 Clause 5.18 ASTM F 963: 2016, Clause 4.6.2 Clause 4.6 Clause 8.8 Clause 8.9 Clause 8.13	Qualitative
13.	Toys- Balloons	Thickness Labelling	EN 71-1: 2014, Clause 4.12 Clause 8.25.1 ASTM F 963: 2016, Clause 4.31	0.01 mm to 12.0 mm Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Thickness Small Part Tension test Torque test	16 CFR 1500.19: 2011 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1) : 2012 ISO 8124-1: 2014 Clause 4.5.6 Clause 4.10 Clause 5.2 Clause 5.24.6.1 Clause 5.22.5	0.01 mm to 12.0 mm Qualitative
		Thickness Small Part Tension test Torque test	Japan ST 2012, Clause 4.5.6 Clause 5.10 Clause 5.2 Clause 5.22.6 Clause 5.22.5	0.01 mm to 12.0 mm Qualitative
14.	Toys – Enclosures / Confined Spaces / Toy Bag	Sharpness of edges Sharpness of point Torque test Tension test Drop test Impact test Compression test Lid support test Durability test Comply With Enclosure Drop Test Torque test Tension test	EN 71-1: 2014, Clause 4.14, 4.10.3 / 4.4 Clause 8.11 Clause 8.12 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.31.2 Clause 8.31.3 Clause 4.14.2a ASTM F 963: 2016, Clause 4.16 Clause 8.7.1 Clause 8.8 Clause 8.9	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Compression test Normal use test Closure test Lid support test Durability test Folding & Sliding Mechanism Other toys with Folding Mechanisms Closure test Lid support test Durability test Folding & Sliding Mechanism	Clause 8.10 Clause 8.5 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.16 Clause 5.13.1 Clause 5.13.2.1 Clause 5.22.2 Clause 4.12 Clause 5.22.2 Japan ST 2012, Clause 4.16 Clause 5.13.1 Clause 5.13.2.1 Clause 5.22.2 Clause 4.12	
15.	Heavy Immobile Toys / Stability of stationary floor toy / Toys intended to bear the mass of child	Drop Test Torque test Tension test Compression test Test For stability	ASTM F 963: 2016, Clause 4.15 (4.15.1/ 4.15.2/ 4.15.3/ 4.15.4) Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.15 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.15, 4.15.1, 4.15.2, 4.15.3	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop Test Tip over test for large toys Dynamic Strength Test Torque Test Tension Test Compression Test Stability test Fore & Aft stability Over Load Test	Clause 5.24.2 Clause 5.24.3 Clause 5.24.4 Clause 5.24.5 Clause 5.24.6 Clause 5.24.7 Clause 5.12.2 & 5.12.3 Clause 5.12.4 Clause 5.12.5 Japan ST 2012, Clause 4.15 Clause 5.22.2 Clause 5.22.5 Clause 5.22.6 Clause 5.22.7 Clause 5.12.2,5.12.3,5.12.6 Clause 5.12.4 Clause 5.12.5 Clause 5.22.4 EN 71-1: 2014, Clause 4.16 / 4.15 Clause 8.23.2 Clause 8.11 Clause 8.12 Clause 8.21 Clause 8.22 Clause 8.23 Clause 8.26 Clause 8.27 Clause 8.29	
		Drop Test Torque test Tension test Compression test Stability test Fore & Aft Stability Over Load Test for ride on toys Dynamic Strength Test		
		Heavy Immobile Toys Sharpness of edges Sharpness of point Static strength Dynamic strength Stability Test Break Performance Test Strength Of Toys Scooter Steering Tubes Determination Speed Test		

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
16.	Projectile Toys	Tension Test Small ball & suction cup Torque Test Kinetic Energy Test	EN 71-1: 2014, Clause 4.17 Clause 8.4.2 Clause 8.32.1 Clause 8.3 Clause 8.24.1 and 2	Qualitative (0.01 to 10) Joules
		Drop Test Torque Test Tension Test Compression Test Normal use test Kinetic Energy Test	ASTM F 963: 2016, Clause 4.21 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5 Clause 8.14	Qualitative (0.01 to 10) Joules
		Kinetic Energy Test Torque Test Small part Tension Test Drop Test	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.18 Clause 5.15 Clause 5.24.5 Clause 5.2 Clause 5.24.6 Clause 5.22	(0.01 to 10) Joules Qualitative
		Torque Test Small part Tension Test Drop Test	Japan ST 2012, Clause 4.18 Clause 5.22.5 Clause 5.2 Clause 5.22.6 Clause 5.22.2	
17.	Aquatic Toys and Inflatable Toys	Torque Test Tension Test Small Part test	EN 71-1: 2014, Clause 4.18 Clause 8.3 Clause 8.4.2.1 Clause 8.2	Qualitative

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		Labelling	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.19 Japan ST 2012, Clause 4.19	
18.	Toys- Acoustics	Emission Sound pressure Level Test	EN 71-1: 2014, Clause 4.20 Clause 8.28.2	35 dB to 135 dB
		Drop Test Torque Test Tension Test Compression Test Toys which produce noise Normal use test Emission Sound pressure Level Test	ASTM F 963: 2016, Clause 4.5 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.20.2.16-1, 2, 3, 4, 5 & 6 Clause 8.5 Clause 8.19	Qualitative 0.05 dB to 135 dB
		Sound pressure level test Auditory Hazard	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.28 Clause 5.25 SOR 2011-17 M04 (Section 19) Japan ST 2012, Clause 4.23 Clause 5.23	0.05 dB to 135 dB
		Determination of Sound pressure Level		0.05 dB to 135 dB

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
19.	Toys- Magnets	Small Part test Torque Test Tension Test Drop Test Tip over Test Impact Test Compression Test Soaking Test Tension Test for Magnets Torque Test Tension Test Normal use Test Tension Test Impact test for Magnet Small Part test Drop Test Tip over Test Torque Test Compression Test Soaking Test Torque Test Small Part test Tension Test	EN 71-1: 2014, Clause 4.23 Clause 8.2 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.6 Clause 8.7 Clause 8.8 Clause 8.9 Clause 8.34 ASTM F 963: 2016, Clause 4.38 Clause 8.8 Clause 8.9 Clause 8.5 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.30 Clause 5.31, 5.24.6 Clause 5.33 Clause 5.2 Clause 5.24.2 Clause 5.24.3 Clause 5.24.5 Clause 5.24.7 Clause 5.34 Japan ST 2012, Clause 4.24 Clause 5.22.5 Clause 5.2 Clause 5.22.6	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Drop Test Impact Test Compression Test Soaking Test	Clause 5.22.2 Clause 5.26 Clause 5.22.7 Clause 5.27	
20.	Toys attached to Food	Small Part test Torque Test Tension Test Drop Test Impact Test Compression Test Small Ball and suction cup test	EN 71-1: 2014, Clause 4.25 Clause 8.2 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.32.1	Qualitative
21.	Toy having Magnet	Small Part cylinder Torque Test Tension Test Drop Test Tip over Test Impact Test Compression Test Soaking Test Sharpness of Edges Sharpness of Point	EN 71-1: 2014, Clause 5.1 Clause 8.2 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.6 Clause 8.7 Clause 8.8 Clause 8.9 Clause 8.11 Clause 8.12	Qualitative
22.	Toys - Cords, Chains and Electrical Cable in Toys / Straps intended to be worn fully or partially around the neck / Cords, Straps and Elastics / Cords	Cord Cross-sectional dimension Length of cords, chains and electrical cables Breakaway feature separation test Perimeter of Cords and Chains	EN 71-1: 2014, Clause 5.4 Clause 8.20 Clause 8.40 Clause 8.38 Clause 8.36.2.1 & 8.36.2.2	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Breakaway feature separation test Drop Test Torque Test Tension Test Compression Test Normal use test Test for Loops and Cords	EN 71-1: 2014, Clause 5.14 Clause 8.38 ASTM F 963: 2016, Clause 4.14, 4.14.2, 4 14.3, 4.14.4, 4.14.5 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5 Clause 8.23	
		Determination of cord thickness Self retracting pull cords	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.11 Clause 5.11.1 Clause 5.11.2	
		Determination of cord thickness Self retracting pull cords Break away Feature Perimeter of Cord	Japan ST 2012, Clause 4.11 Clause 5.11.1 Clause 5.11.2 Clause 5.11.3 Clause 5.11.4	
23.	Liquid Filled Toys	Leakage test	EN 71-1: 2014, Clause 5.5 Clause 8.15 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Japan ST 2012,	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			Clause 4.24/4.21 Clause 5.17	
24.	Toys- Play Figures	Play figure test	EN 71-1: 2014, Clause 5.11 Clause 8.33 ASTM F 963: 2016, Clause 4.32.3 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.4 Clause 5.6 Japan ST 2012, Clause 4.5.4 Clause 5.6	Qualitative
25.	Hemispheric-Shaped Toys	Dimensions & Volume Torque Test Tension Test Drop Test Impact Test Compression Test Soaking Test Tip over Test Abuse Test Drop Test Torque Test Tension Test Compression Test	EN 71-1: 2014, Clause 5.12 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.9 Clause 8.6 ASTM F 963: 2016, Clause 4.36 Clause 8.6 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Abuse Test Drop Test Tip over Test Torque Test Tension Test Compression Test Torque Test Tension Test Drop Test Impact Test Compression	ISO 8124-1: 2014 Clause 4.5.8 Clause 5.24.2 Clause 5.24.3 Clause 5.24.5 Clause 5.31, 5.24.6 Clause 5.24.7 Japan ST 2012, Clause 4.5.8 Clause 5.22.5 Clause 5.22.6 Clause 5.22.2 Clause 5.26 Clause 5.22.7	
26.	Toys with Suction Cups	Torque Test Tension Test Drop Test Tip over Test Impact Test Compression Test Small ball and suction cup test	EN 71-1: 2014, Clause 5.13 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.6 Clause 8.7 Clause 8.8 Clause 8.32.1	Qualitative
27.	Toys- Nails & Fasteners / Wheels, Tires and Axles	Drop Test Torque Test Tension Test Compression Test Tire Removal Test Small Part test Normal use test	ASTM F 963: 2016, Clause 4.11, 4.17 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.11 Clause 4.6.1 Clause 8.5	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
28.	Toys with Holes, Clearance and Accessibility of Mechanisms	Drop Test Torque Test Tension Test Compression Normal use test Accessability of component test Accessability of component test	ASTM F 963: 2016, Clause 4.18 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.13 Clause 5.7 Japan ST 2012, Clause 4.13 Clause 5.7	Qualitative
29.	Toys with simulated protective devices	Impact Test for toys that cover the face Torque Test Tension Test Compression Test Normal use test Impact Test Impact Test	ASTM F 963: 2016, Clause 4.19 Clause 8.7.4 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.17 Clause 5.14 Japan ST 2012, Clause 4.17 Clause 5.14	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
30.	Toys with Pacifiers	Test for pacifiers	ASTM F 963: 2016, Clause 4.20.2 16 CFR 1511 : 2012 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.5 SOR: 2011-17 Clause M-09 Japan ST 2012, Clause 4.5.5	Qualitative
31.	Toys intended to be attached to a Crib or Playpen	Drop Test Torque Test Tension Test Compression Test Normal use test	ASTM F 963: 2016, Clause 4.26 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5	Qualitative
32.	Squeeze toys, Rattles and certain other toys / Certain toys with spherical ends	Template test Template test Bite Test	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.1 Clause 5.3 Japan ST 2012, Clause 4.5.1, Clause 5.3 Clause 5.3.1 ASTM F 963: 2016, Clause 4.23 / 4.24 Clause 4.32.1, 4.23.1 & 4.32.2 16 CFR 1500.51: 2011 16 CFR 1510: 2011	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
33.	Toys- Balls	Small ball test Drop Test Torque Test Tension Test Torque Test Tension Test Drop Test Impact Test Compression Small ball & suction cup test Torque Test Tension Test Tip over Test Impact Test Compression Test	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.2 Clause 5.4 Clause 5.24.2 Clause 5.24.5 Clause 5.24.6 Japan ST 2012, Clause 4.5.2 Clause 5.22.5 Clause 5.22.6 Clause 5.22.2 Clause 5.26 Clause 5.22.7 EN 71-1: 2014, Clause 4.22 / 5.10 Clause 8.32 Clause 8.3 Clause 8.4 Clause 8.6 Clause 8.7 Clause 8.8	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
34.	Toys- Pompoms	Torque Test Tension Test Normal use test Tension Test Template test Abuse Test Template test	ASTM F 963: 2016, Clause 4.35 Clause 8.8 Clause 8.16 Clause 8.5 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.3 Clause 5.24 Clause 5.5 Japan ST 2012, Clause 4.5.3 Clause 5.24 Clause 5.5	Qualitative
35.	Toys- Jaw with Entrapment in Handles and Steering Wheels	Jaws Entrapment in handle steering wheel	ASTM F 963: 2016, Clause 4.39	Qualitative
36.	Toys	Flammability-Burnt rate	ASTM F 963: 2016, Clause 4.2, Annex. A5, A6 16 CFR 1500.44: 2011 ISO 8124-2: 2014 IS 9873-2: 1999 AS/NZS ISO 8124.2: 2009 Clause 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 BS EN 71-2: 2011 + A1: 2014, Clause 5.1, 5.2, 5.3, 5.4, 5.5 Japan ST Part 2, Clause 5.1, 5.2, 5.3, 5.4, 5.5, 5.6	(5.0 to 127) mm/s

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Thermal & Flammability Hazard	SOR: 2011-17 Sections 32, 33 and 34 Schedule 5, 6, 7	
37.	Teethers & Teething Toys	Drop Test Torque Test Tension Test Compression Test Normal use test	ASTM F 963: 2016, Clause 4.22 16 CFR 1510: 2011 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.5	Qualitative
38.	Stuffed and Beanbag Type Toys	Tension test Tension test	ASTM F 963: 2016, Clause 4.27 Clause 8.9.1 EN 71-1: 2014, Clause 5.2 Clause 8.4.2.2	Qualitative
39.	Yo Yo Elastic Teethers Toys	Yo Yo ball measurement	EN 71-1: 2014, Clause 4.24 Clause 8.37	Qualitative
40.	Inflatable vinyl toys intended to be used on land	Tension test Thickness	Japan ST 2012, Clause 4.25, Annexure 2	Qualitative 0.01 mm to 12.0 mm
41.	Toys containing a Heat Source	Determination of Temperature Increase Measurement of temperature rises	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.23 Clause 5.18 Japan ST 2012, Clause 4.20, Clause 5.18 EN 71-1: 2014, Clause 4.21 Clause 8.30	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
42.	Toys stability & over load requirements	Abuse test Drop Test Torque Test Tension Test Compression Test Dynamic Strength test for Wheeled ride on toys Test for Over load of ride on toys & Toys Seats Test for stability of ride on toy or toy seats	ASTM F 963: 2016, Clause 4.15.5/ 4.15.6 Clause 8.6 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.21 Clause 8.28 Clause 8.15	Qualitative
43.	Toys with brakeing device (Toys Scooter & Toys Bicycle)	Free wheeling Facility & Brake Performance Test Brake Performance Test for toy bicycle	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.20 & 4.21 Clause 5.16.1 & 5.16.2 Clause 5.16.3	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
44.	Toys – Scooter	Heavy Immobile Toys Sharpness of edges Sharpness of point Static strength Dynamic strength Stability Test Break Performance Strength of Toys Scooter Steering Tubes Determination Speed Test Sharp Edge Test Sharp Point test Stability & Over load Test Static strength for toy scooter Dynamic Strength for toys Scooter Break Performance for toys scooter Strength of toy scooter tube Resistance to separation of handlebar	EN 71-1: 2014, Clause 4.15.5 Clause 4.16 / 4.15 Clause 8.23.2 Clause 8.11 Clause 8.12 Clause 8.21 Clause 8.22 Clause 8.23 Clause 8.26 Clause 8.27 Clause 8.29 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014, Clause 4.29 Clause 5.8 Clause 5.9 Clause 5.12.2 Clause 5.26 Clause 5.27 Clause 5.28 Clause 5.29 Clause 5.30	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
45.	Art Material Toys & Gun Marking Toys	Normal use for Testing Abuse Test Drop Test Torque Test Tension Test Compression Test	AS/NZS ISO 8124.1: 2013 ISO 8124-1: 2012 ASTM F 963: 2016, Clause 4.30 16 CFR 1500.14: 2011 Clause 8.5 Clause 8.6 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	Qualitative
46.	Shape and size of certain toys	Geometric Shape of Toys Test for Shape & size of certain toys Small ball test Tension Test Test for pompom Test for Preschool play Figures	EN 71-1: 2014, Clause 5.8 Clause 8.16 AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5 Clause 5.3 Clause 5.4 Clause 5.24.6	Qualitative
47.	Toys	Material Quality Material Quality Material Cleanliness & Assembly	AS/NZS ISO 8124.1: 2016 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.3 Japan ST 2012, Clause 4.3 ASTM F 963: 2016, Clause 4.1 EN 71-1: 2014, Clause 4.1/4.2	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
48.	Toys (Non Soft)-Canada	Mechanical Hazard Small Component Sharp Edge Sharp Point Rattles Small Component Sharp Edge Sharp Point Drop Test Push & pull Test Eyes / Nose Pull Test Film Thickness test Eyes & Nose Security Test	SOR: 2011-17 M00.1 M00.2, M01.2, 4.2 M00.3 M01.2, 4.3 M05 M01.2, 4.4 M00.1, M01.1, 5.2.2 M00.2, M01.1, 5.3.1 M00.3, M01.1, 5.3.2 M01.1, 5.4 M01.1, 5.5 M00.4, M01.2, 4.1 M03, 5.3 SOR: 2011-17 Clause M0.3, Section 4	Qualitative
49.	Specific product Doll, Plush & Soft toys (Canada)	Small Component Sharp Edge Sharp Point Eyes & Nose Pull Test Impaction Test Push & pull test Torque Test Drop Test Supplementary Impaction test	SOR: 2011-17 M00.1 M01.2, 4.2 M00.2 M01.2, 4.3 M00.3 M01.2, 4.4 M00.4 M01.2, 4.1 M05, 4.1 M05, 4.2 M05, 4.3 M05, 4.4 M05, 4.5	Qualitative
50.	Battery Operated Toys	Drop Test Torque Test Tension Test Compression Test Flexure Test Normal use test	ASTM F 963: 2016, Clause 4.25 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.12 Clause 8.5	Qualitative

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
51.	Stroller & Carriage Toys	Normal use test	ASTM F 963: 2016, Clause 4.28, Clause 5.7	Qualitative
52.	Toy Chest	Test for toy chest lids and closures	ASTM F 963: 2016, Clause 4.41, Clause 8.27	Qualitative
53.	Stuffing Material	Stuffing Material Evaluation	ASTM F 963: 2016, Clause 4.3.7, Clause 8.29	Qualitative
54.	Soft Infant and Toddler Carrier	General Requirement Sharp Edge Sharp Point Small Parts Wood Parts Locking & Latching Leg Openings Fastner Strength & Strap retention test	ASTM F 2236: 2016, Clause 5.1 16 CFR 1500.48: 2012 16 CFR 1500.49: 2012 ASTM F 2236: 2016, Clause 5.2 16 CFR 1501: 2012 ASTM F 2236: 2016, Clause 5.4 ASTM F 2236: 2016, Clause 5.5 ASTM F 2236: 2016, Clause 6.1 & Clause 7.1 ASTM F 2236: 2016, Clause 7.7	Qualitative 1 N to 350 N
55.	Balls (Metal/Plastic/ Rubber/ Glass)	Balls	16 CFR 1500.19 ASTM F 963: 2016, Clause 4.34	Qualitative
56.	Pens- Writing & marking	Writing & marking Instruments Part -1 Specification for end closure to reduce the risk of Asphyxiation Cap Size Ventilated cap air flow	BS 7272 Part 1: 2008 + A1: 2014 Clause 3.2 Clause 3.3	Qualitative (1.5 to 15) L/minute

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Writing & marking Instruments Part -2 Specification for end closure to reduce the risk of Asphyxiation Size Security Inaccessibility Minimal Protrusion Air Flow	BS 7272 Part 2: 2008 + A1: 2014 Clause 4.2 Clause 4.3 Clause 4.4 Clause 4.5 Clause 4.6	Qualitative 1 N to 200 N 1 N to 200 N 1 N to 200 N (1.5 to 15) L/minute