

Laboratory	Intertek India Private Limited, G3, Ground Floor, Akruiti Corporate Park, L.B.S. Marg, Kanjurmarg (West), Mumbai, Maharashtra		
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I. TEXTILE MATERIALS				
1.	Textile & Garment	Tensile Test – Strip Method Strength Elongation	BSEN ISO 13934-1: 2013 ASTM D 5035: 2011 GB/T 3923.1: 2013	10 N to 10 kN 1 % to 100 %
		Tensile Test – Grab Method Strength Elongation	BSEN ISO 13934-2: 2014 ASTM D 5034: 09 (2013) GB/T 3923.2: 2013	10 N to 10 kN 1 % to 100 %
		Tear Strength (Elmendorf)	ASTM D 1424: 09 (2013) BSEN ISO 13937-1: 2000 GB/T 3917.1: 2009	3.1 N to 100 N
		Tear Strength (Single Rip)	ASTM D 2261: 2013 BSEN ISO 13937-2: 2000	3.1 N to 100 N
		Tear Strength (Wing Tear)	BSEN ISO 13937-3: 2000	10 N to 10 kN
		Bursting Strength (Hydraulic)	BSEN ISO 13938-1: 1999 [E] ASTM D 3786: 2013	1.5 kg/cm ² to 14.5 kg/cm ² (20 psi to 190 psi)
		Bursting Strength (Steel Ball)	GB/T 19976: 2005	10 N to 10 kN
		Slippage Resistance of Yarns: Seam	BS 3320: 1988 ASTM D 434: 1995 ISO 13936-1: 2004 ISO 13936- 2: 2004	10 N to 10 kN
		Seam Slippage	FZ/T 81007: 2012, Section 4.4.5 & Annexure A	0.1 cm to 3.2 cm
		Seam Strength of back rise seam	FZ/T 81007: 2012, Section 4.4.6 & Annexure B	10 N to 10 kN

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	Textile & Garment	Seam Tensile Properties of Fabrics (Grab Method)	ISO 13935-2: 2014	10 N to 10 kN
		Threads per unit length (Woven & Fabric Construction)	ASTM D 3775: 2012 BSEN 1049-2: 1994 ISO 7211-2: 1984	(2 to 80) per cm (5 to 200) per inch
		Construction of Knitted Fabric	ASTM D 3887: 96 (2008) BS 5441: 1988	(1 to 80) per cm (3 to 200) per inch
		Fabric Width	ISO 3932: 1976 ASTM D 3774: 96 (2012) ISO 22198: 2006	1 cm to 300 cm
		Fabric Mass per unit area	BS 2471: 2005, Method 1 ISO 3801: 1977, Method 5 ASTM D 3776/ D 3776M: 09a (2013), Option C BS EN 12127: 1998	10 gsm to 1000 gsm
		Stretch and Recovery	ASTM D 3107: 07 (2011) ASTM D 2594: 04 (2012)	Upto 400 %
		Determination of the Elasticity of fabrics	BS EN 14704-1: 2005	1 % to 100 %
		Pilling Resistance (Pilling Box)	BSEN ISO 12945-1: 2001 GB/T 4802.3: 2008	Qualitative (Grade: 1 to 5)
		Pilling Resistance (Martindale)	ASTM D 4970: 10e1	Qualitative (Grade: 1 to 5)
		Pilling Resistance (Random Tumble)	ASTM D 3512: 10 (2014)	Qualitative (Grade: 1 to 5)

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	Textile & Garment	Pilling Resistance (Elastomeric Pad)	ASTM D 3514/D 3514M: 10(2014)	Qualitative (Grade: 1 to 5)
		Pilling Resistance (Modified Martindale)	BSEN ISO 12945-2: 2000 GB/T 4802.2: 2008	Qualitative (Grade: 1 to 5)
		Pilling Resistance (Circular Locus)	GB/T 4802.1: 2008	Qualitative (Grade: 1 to 5)
		Absorbency of Bleached Textiles	AATCC 79: 2014	(1 to 60) s/ 60+ s
		Water Repellency : Spray Test	AATCC 22: 2014 ISO 4920: 2012	0, 50, 70, 80, 90 and 100 Qualitative (Rating:1 to 5)
		Abrasion Resistance (Martindale Specimen break down)	ASTM D 4966: 12e1 BSEN ISO 12947-1: 1999 BSEN ISO 12947-2: 1999	(10 to 100000) cycles
		Abrasion Resistance (Inflated Diaphragm)	ASTM D 3886: 99 (2011)e1	Qualitative (Grade: 1 to 5)
		Abrasion Resistance (Flexing)	ASTM D 3885: 07a (2011)	Qualitative (Grade: 1 to 5)
		Surface Water Absorption of Terry Fabrics [Water Flow]	ASTM D 4772: 2014	(0 to 50) ml
		CPSC Drawstrings Guideline on Children's upper outer wear / clothing a) Presence of Drawstrings at Hood & Neck Area.	ASTM F 1816: 97 (2009) BSEN 14682: 2014 CPSC 208: 1999	Qualitative

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	Textile & Garment	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) BSEN 14682: 2014 CPSC 208: 1999	Qualitative
2.	Textile & Textile Accessories	Flammability of Children's Sleepwear [Sizes 0 through 6X (FF 3-71)] Flammability of Children's Sleepwear [Sizes 7 through 14 (FF 5-74)] Determination of Sharp Points under a force of 4.45 N (1 Pound) Determination of Sharp Edges under a force of 8.90N (2 Pound) Small Parts (Chocking Hazard test) [Small part cylinder of 31.71 mm inner diameter]	16 CFR 1615: 2012 16 CFR 1616: 2012 16 CFR 1500.48: 2012 16 CFR 1500.49: 2012 16 CFR 1501: 2012	Char length: Upto 25.4 cm Char length: Upto 25.4 cm Qualitative Qualitative Qualitative

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	Textile & Textile Accessories	Torque Test upto 9.177 kgfcm (upto 7.96 inch pound)	16 CFR 1500.51-53: 2012	Qualitative
		Tension Test upto 196.1 N (upto 20 kg or 44 pound)	16 CFR 1500.51-53: 2012	Qualitative
		Impact Test (upto 200 cm height or 6.6 feet)	16 CFR 1500.51-53: 2012	Qualitative
		Compression Test upto 196.1 N (upto 20 kg or 44 pound)	16 CFR 1500.51-53: 2012	Qualitative
		Flexure Test through 120° arc upto 67 N (upto 6.83 kg or 15 pound)	16 CFR 1500.51-53: 2012	Qualitative
		Slide Fasteners (Zips) Specification:	BS 3084: 2006	9 N to 3924 N
		Test for Strength of puller attachment	Annexure B	
		Test for Strength of closed- end	Annexure C	
		Test for Strength of Top stop	Annexure D	
		Test for Strength of open- end fastner box	Annexure E	
		Test for Lateral Strength of fastner	Annexure G	
		Test for Strength of slider locking device	Annexure I	
		Test for open- end fastner	Annexure J	
		Single stringer slider retention		

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	Textile & Textile Accessories	Strength Tests for Zippers:	ASTM D 2061: 07 (2013)	1 kg to 400 kg
		Chain Crosswise Strength	Section 14.1	
		Element Pull off	Section 14.2	
		Element Slippage, Lengthwise	Section 14.3	
		Top Stop Holding	Section 22.2	
		Bottom Stop Holding, Slider	Section 22.3	
		Bottom Stop Holding, Crosswise	Section 22.4	
		Bottom Stop Holding, Stringer separation	Section 22.5	
		Bridge Top Stop Stringer separation	Section 22.6	
		Separable Pin, Pull- off	Section 30.1	
		Fixed Retainer, Pull- off	Section 30.2	
		Separating Unit, Crosswise	Section 30.3	
		Resistance to Twist of Pull and Slider	Section 58	
		Torsional Resistance of Slider	Section 65	
		Pull for removal of components		
		Resistance to Pull- off of Slider	Section 78	
		Pull		
		Holding Strength of Slider	Section 97	
		Lock		
3.	Textile	Distortion in bowed and skewed fabrics	BS 2819: 1990 ASTM D 3882: 08 (2012) e1	Upto 50 %

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II. TOYS				
1.	Toys with Small Parts		AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.4 Drop Test Torque Test Tip over test for large bulky toy Tension Test Compression Test Flexure Test	Qualitative
			Japan ST 2012, Clause 4.4 Drop Test Torque Test Tip over test for large bulky toy Tension Test Compression Test Flexure Test	
			Bite Test	
			ASTM F 963: 2011, Clause 4.6 16 CFR 1500.18: 2012 16 CFR 1501: 2012 Impact Tests Drop Test Torque Test Tip over test for large bulky toy Tension Test Compression Test Flexure Test	

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	Toys with Small Parts	Small Parts Cylinder Tests Torque Test Tension Test Drop Test Impact Test Compression Test	BSEN 71-1: 2014 Clause 8.2 Clause 8.3 Clause 8.4 Clause 8.5 Clause 8.7 Clause 8.8	Qualitative
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: 2013 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: 2011, Clause 4.7 16 CFR 1500.49: 2012 BSEN 71-1: 2014, Clause 4.7 Clause. 8.11	Qualitative
3.	Toys with Points	Sharp Point Test	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.7 Clause 5.9	Qualitative

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	Toys with Points	Sharp Point Test	Japan ST 2012, Clause 4.7 Clause 5.9 ASTM F 963: 2011, Clause 4.9 16 CFR 1500.48 : 2012 BSEN 71-1: 2014, Clause 4.8 Clause 8.12	Qualitative
4.	Toys with Projections	Drop Test Tip over Test Torque Test Tension Test Compression Test Flexure Test	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 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	Qualitative
		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	ASTM F 963: 2011, Clause 4.8 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	
5.	Toys with Protruding Parts	Tension Test Sharp Edge Sharp Point	BSEN 71-1: 2014, Clause 4.9 Clause 8.4.2.3 Clause 8.11 Clause 8.12	Qualitative

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6.	Toys with Metal Wire and Rod		AS/NZS ISO 8124.1: 2013 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
		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		
7.	Toys with Flexible Plastic Sheetting		ASTM F 963: 2011, Clause 4.10 Clause 8.12 Clause 8.9 Clause 4.7 Clause 4.9	
			BSEN 71-1: 2014 Clause 4.3, Clause 5.3, Clause 6 Clause 8.25.1 Clause 8.25.2 Clause 8.4.2	0.01mm to 12.0 mm Qualitative
		Thickness		
		Adhesion Test		
		Tension Test		
			ASTM F 963: 11, Clause 4.12 Clause 8.21	0.01 mm to 12.0 mm
		Thickness Test		
			AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause. 4.10 Clause. 5.10	0.01 mm to 12.0 mm
		Thickness Test		
			Japan ST 2012, Clause 4.10 Clause 5.10	0.01 mm to 12.0 mm
		Thickness Test		

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8.	Toys with Glass & Marbles	Drop Test Impact Test Sharpness of Edges Sharpness of Points	BSEN 71-1: 2014 Clause 4.5, 5.7 Clause 8.5 Clause 8.7 Clause 8.11 Clause 8.12 ASTM F 963: 11, Clause 4.33, Clause 5.3.1, 5.11.4 16 CFR 1500.19: 2011 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.7 Drop Test Tip over test for large bulky toy Torque Test Tension Test Compression Test Drop Test Tip over Test Torque Test Tension Test Compression Test	Qualitative
9.	Toys comprising Mono-filament Fibers	Length	BSEN 71-1: 2014 Clause 5.9 Clause 7.17	Qualitative
10.	Toys with Expanding Materials	Small Part Cylinder Test Torque Test	BSEN 71-1: 2014 Clause 4.6 Clause 8.2 Clause 8.3	Qualitative

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	Toys with Expanding Materials	Tension Test Drop Test Impact Test Compression Test Expanding Material Test	Clause 8.4 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.14 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.3.2 Drop Test Torque Test Tension Test Compression Test Small Part Expanding Materials Japan ST 2012, Clause 4.3.2 Drop Test Torque Test Tension Test Compression Test Small Part Expanding Materials	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	BSEN 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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	Toys - Parts moving against each other / Folding mechanisms and Hinges Driving mechanism/ Springs	Drop Test	ASTM F 963: 11, Clause 4.13	Qualitative
		Torque Test	Clause 8.7.1	
		Tension Test	Clause 8.8	
		Compression Test	Clause 8.9	
		Locking Mechanism	Clause 8.10	
		Locking Test	Clause 8.25.1	
			Clause 8.25.2	
			AS/NZS ISO 8124.1: 2013	
			IS 9873 (Part 1): 2012	
			ISO 8124-1: 2014	
		Folding or Sliding Mechanism	Clause 4.12	
			Clause 5.22	
		Folding or Sliding Mechanism	Japan ST 2012, Clause 4.12	
			Clause 5.20	
			AS/NZS ISO 8124.1: 2013	
			IS 9873 (Part 1): 2012	
			ISO 8124-1: 2014	
		Test for Springs	Clause 4.14	
		Accessibility part of component	Clause 5.7	
			Japan ST 2012, Clause 4.14	
		Test for Springs- Accessibility part of component	Clause 5.7	
12.	Mouth Actuated and other toys intended to be put in the mouth		BSEN 71-1: 2014	Qualitative
			Clause 4.11	
		Small Part Cylinder Test	Clause 8.2	
		Soaking Test	Clause 8.9	
		Torque Test	Clause 8.3	
		Tension Test	Clause 8.4.2.1	
		Durability Test	Clause 8.17	

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	Mouth Actuated and other toys intended to be put in the mouth		AS/NZS ISO 8124.1: 2013 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	Qualitative
		Small Part Tension Test Torque Test Durability Test		
		Small Part Tension Test Torque Test Durability of mouth actuated toys	Japan ST 2012, Clause 4.22 Clause 5.2 Clause 5.22.6 Clause 5.22.5 Clause 5.18	
		Small Part Tension Test Torque Test Durability Test	ASTM F 963: 11, Clause 4.6.2 Clause 4.6 Clause 8.9 Clause 8.8 Clause 8.13	
13.	Toys- Balloons		BSEN 71-1: 2014 Clause 4.12 Clause 8.25.1	
		Thickness		0.01 mm to 12.0 mm
		Thickness	ASTM F 963: 11, Clause 4.31 16 CFR 1500.19: 2011	0.01 mm to 12.0 mm
		Thickness	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.6 Clause 4.10	0.01 mm to 12.0 mm

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	Toys- Balloons	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 Compression Test Lid Support Test Durability Test Folding & Sliding Mechanism Folding Mechanisms Lid Support Test Durability Test	BSEN 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 4.14.2 a ASTM F 963: 11, Clause 4.16 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.16 Clause 5.13.2.1 Clause 5.13.2.2 Clause 5.22.2 Clause 4.12 Japan ST 2012, Clause 4.16 Clause 5.13.1 Clause 5.13.2	Qualitative

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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: 11, 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	Qualitative
		Drop Test Tip over test for large bulky toy Dynamic Strength Test Torque Test Tension Test Compression Test Stability Test Fore & Aft Stability Over Load Test	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.15, 4.15.1, 4.15.2, 4.15.3 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	
		Drop Test Torque Test Tension Test Compression Test Stability Test Fore & Aft Stability Over Load Test for ride on toys Dynamic Strength Test	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	
		Heavy Immobile Toys	BSEN 71-1: 2014 Clause 4.16 / 4.15 Clause 8.23.2	

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	Heavy Immobile Toys / Stability of stationary floor Toy/ Toys intended to bear the mass of child	Sharpness of Edges Sharpness of Point Static Strength Dynamic Strength Stability Test Break Performance Test Strength of Toys Scooter Steering Tubes Determination Speed Test	Clause 8.11 Clause 8.12 Clause 8.21 Clause 8.22 Clause 8.23 Clause 8.26 Clause 8.27 Clause 8.29	Qualitative
16.	Projectile Toys		BSEN 71-1: 2014 Clause 4.17	
		Tension Test Small Ball & Suction Cup Torque Test Kinetic Energy Test	Clause 8.4.2 Clause 8.32.1 Clause 8.3 Clause 8.24.1 and 2	Qualitative 0.01 J to 10 J
		Drop Test Torque Test Tension Test Compression Test Kinetic Energy Test	ASTM F 963: 11, Clause 4.21 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.14	Qualitative 0.01 J to 10 J
		Kinetic Energy Test Torque Test Small Part Tension Test Drop Test	AS/NZS ISO 8124.1: 2013 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 J to 10 J Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Projectile Toys	Torque Test Small Part Tension Test Drop Test Kinetic Energy Test	Japan ST 2012, Clause 4.18 Clause 5.22.5 Clause 5.2 Clause 5.22.6 Clause 5.22.2 Clause 5.15	Qualitative 0.01 J to 10 J
17.	Aquatic Toys and Inflatable Toys	Torque Test Tension Test Small Part Test	BSEN 71-1: 2014 Clause 4.18 Clause 8.3 Clause 8.4.2.1 Clause 8.2	Qualitative
			AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 Clause 4.19 ISO 8124-1: 2014 Clause 4.20 Japan ST 2012, Clause 4.19	
18.	Toys – Acoustics	Emission Sound Pressure Level Test	BSEN 71-1: 2014 Clause 4.20 Clause 8.28	35 dB to 135 dB
		Drop Test Torque Test Tension Test Compression Test Emission Sound Pressure Level Test	ASTM F 963: 11, Clause 4.5 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause. 8.19	Qualitative 35 dB to 135 dB

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	Toys – Acoustics		AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 Clause 4.28 ISO 8124-1: 2014 Clause 4.29	
		Sound Pressure Level Test	Clause 5.25 SOR 2011-17, M04 (Section 19)	35 dB to 135 dB Qualitative
		Determination of Sound Pressure Level	Japan ST 2012, Clause 4.23 Clause 5.23	35 dB to 135 dB
19.	Toys – Magnets		BSEN 71-1: 2014 Clause 4.23	
		Small Part Test	Clause 8.2	Qualitative
		Torque Test	Clause 8.3	
		Tension Test	Clause 8.4.2.1	
		Drop Test	Clause 8.5	
		Tip over Test	Clause 8.6	
		Impact Test	Clause 8.7	
		Compression Test	Clause 8.8	
		Soaking Test	Clause 8.9	
		Tension Test for Magnets	Clause 8.34	
		Magnetic Flux Index	Clause 8.35	[1 to 400] (kG) ² /mm ²
		Torque Test	ASTM F 963: 11, Clause 4.38 Clause 8.8	Qualitative
		Tension Test	Clause 8.9	
		Flux Density	Clause 8.24	[1 to 400] (kG) ² /mm ²
			AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 Clause 4.30 ISO 8124-1: 2014 Clause 4.31	

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys – Magnets	Magnetic Flux Index Tension Test Impact Test Small Part Test Drop Test Tip over Test Torque Test Compression Test Soaking Test	Clause 5.32 Clause 5.24.6, 5.31 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	[1 to 400] (kG) ² /mm ² Qualitative
		Magnetic Flux Index Torque Test Small Part Tension Test Drop Test Impact Test Compression Soaking Test	Japan ST 2012, Clause 4.24 Clause 5.25 Clause 5.22.5 Clause 5.2 Clause 5.22.6 Clause 5.22.2 Clause 5.26 Clause 5.22.7 Clause 5.27	[1 to 400] (kG) ² /mm ² Qualitative
20.	Toys attached to Food	Small Part Test Torque Test Tension Test Drop Test Impact Test Compression Test Small Ball and Suction Cup Test	BSEN 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	Magnetic Flux Index Small Part Cylinder	BSEN 71-1: 2014 Clause 4.23 Clause 8.35 Clause 8.2	[1 to 400] (kG) ² /mm ² Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toy having Magnet	Torque Test Tension Test Drop Test Tip over Test Impact Test Compression Test Soaking Test Sharpness of Edges Sharpness of Point	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 Breakaway Feature Separation Test Drop Test Torque Test Tension Test Compression Test Test for Loops and Cords	BSEN 71-1: 2014 Clause 5.4 Clause 8.20 Clause 8.40 Clause 8.38 Clause 8.36.2.1 and 8.36.2.2 BSEN 71-1: 2014 Clause 5.14 Clause 8.38 ASTM F 963: 11, Clause 4.14.1, 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 8.22	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys - Cords, Chains and Electrical Cable in Toys / Straps intended to be worn fully or partially around the neck / Cords, Straps and Elastics / Cords	Determination of Cord Thickness Self retracting pull cords	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.11 Clause 5.11.1 Clause 5.11.2	Qualitative
		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.	Toys - Play Figures	Play Figure Test	BSEN 71-1: 2014 Clause 5.11 Clause 8.33	Qualitative
		Play Figure Test	ASTM F 963: 11, Clause 4.32.3 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.4 Clause 5.6	
		Play Figure Test	Japan ST 2012, Clause 4.5.4 Clause 5.6	
24.	Hemispheric-Shaped Toys	Dimensions & Volume Torque Test Tension Test Drop Test Impact Test Compression Test	BSEN 71-1: 2014 Clause 5.12 Clause 8.3 Clause 8.4.2.1 Clause 8.5 Clause 8.7 Clause 8.8	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Hemispheric-Shaped Toys	Soaking Test Tip over Test	Clause 8.9 Clause 8.6	Qualitative
		Abuse Test Drop Test Torque Test Tension Test Compression Test	ASTM F 963: 11, Clause 4.36 Clause 8.6 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	
		Drop Test Tip over Test Torque Test Tension Test Compression Test	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 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	
		Torque Test Tension Test Drop Test Impact Test Compression	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	
25.	Toys with Suction Cups	Torque Test Tension Test Drop Test Tip over Test Impact Test Compression Test Small Ball and Suction Cup Test	BSEN 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

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
26.	Toys -Nails & Fasteners / Wheels, Tires and Axles	Drop Test Torque Test Tension Test Compression Test Tire Removal Test Small Part Test	ASTM F 963: 11, 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	Qualitative
27.	Toys with Holes, Clearance and Accessibility of Mechanisms	Drop Test Torque Test Tension Test Compression Accessibility of component test Accessibility of component test	ASTM F 963: 11, Clause 4.18 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2012 Clause 4.13 Clause. 5.7 Japan ST 2012, Clause 4.13 Clause 5.7	Qualitative
28.	Toys with Simulated Protective Devices	Impact Test for toys that cover the face Torque Test Tension Test Compression Test Impact Test	ASTM F 963: 11, Clause 4.19 Clause 8.7.4 Clause 8.8 Clause 8.9 Clause 8.10 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.17 Clause 5.14	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys with Simulated Protective Devices	Impact Test	Japan ST 2012, Clause 4.17 Clause 5.14	Qualitative
29.	Toys with Pacifiers	Test for Pacifiers	ASTM F 963: 11, Clause 4.20.2 16 CFR 1511: 2012 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5.5 SOR 2011-17, Clause M09 Japan ST 2012, Clause 4.5.5	Qualitative
30.	Toys intended to be attached to a Crib or Playpen	Drop Test Torque Test Tension Test Compression Test	ASTM F 963: 11, Clause 4.26 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	Qualitative
31.	Squeeze toys, Rattles and certain other toys / Certain toys with spherical ends	Template Test Template Test Bite Test	AS/NZS ISO 8124.1: 2013 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	Qualitative
32.	Toys – Balls	Template Test	ASTM F 963: 11, Clause 4.23/ 4.24 Clause 4.32.1, 4.23.1 & 4.32.2 16 CFR 1500.51: 2012 (C) 16 CFR 1510: 2011 ASTM F 963: 11, Clause 4.34 16 CFR 1500.18(a)(17): 2012 16 CFR 1500.19: 2011	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys – Balls		AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2012 Clause 4.5.2 Small Ball Test Drop Test Torque Test Tension Test Clause 5.4 Clause 5.24.2 Clause 5.24.5 Clause 5.24.6 Japan ST 2012, Clause 4.5.2 Torque Test Tension Test Drop Test Impact Test Compression Test Clause 5.22.5 Clause 5.22.6 Clause 5.22.2 Clause 5.26 Clause 5.22.7 BSEN 71-1: 2014 Clause 4.22, 5.10 Small Ball & Suction Cup Test Torque Test Tension Test Tip over Test Impact Test Compression Test Clause 8.32 Clause 8.3 Clause 8.4 Clause 8.6 Clause 8.7 Clause 8.8	Qualitative
33.	Toys – Pompoms	Torque Test Tension Test	ASTM F 963: 11, Clause 4.35 Clause 8.8 Clause 8.16 AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2012 Clause 4.5.3 Tension Test Template Test Clause 5.24.6 Clause 5.5	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys – Pompoms	Tension Test Template Test	Japan ST 2012, Clause 4.5.3 Clause 5.22.6 Clause 5.5	Qualitative
34.	Toys - Jaw with Entrapment in Handles and Steering Wheels	Jaws Entrapment in Handle Steering Wheel	ASTM F 963: 11, Clause 4.39	Qualitative
35.	Toys	Flammability – Burnt Rate	ASTM F 963: 11, Clause 4.2 Annexure A5, A6 16 CFR 1500.44: 11 ISO 8124-2: 2014 (E) IS 9873-2: 1999 AS/NZS ISO 8124.2: 2009 Clause 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 BSEN 71-1: 2014 Clause 5.1, 5.2, 5.3, 5.4, 5.5 Japan ST (Part 2): 2012, Clause 5.1, 5.2, 5.3, 5.4, 5.5, 5.6	5.1 mm/s to 127.0 mm/s -
		Thermal & Flammability Hazard	SOR 2011-17 Sections 32, 33 and 34 Schedule 5, 6, 7	
36.	Teethers & Teething Toys	Drop Test Torque Test Tension Test Compression Test	ASTM F 963: 11, Clause 4.22 16 CFR 1510: 2011 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	Qualitative
37.	Stuffed and Beanbag type Toys	Tension Test	ASTM F 963: 11, Clause 4.27 Clause 8.9.1	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stuffed and Beanbag type Toys	Tension Test	BSEN 71-1: 2014 Clause 5.2 Clause 8.4.2.2	Qualitative
38.	Yo Yo Elastic Teethers Toys	Yo Yo Ball Measurement	BSEN 71-1: 2014 Clause 4.24	Qualitative
39.	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
40.	Toys containing a Heat Source	Determination of Temperature Increase Determination of Temperature Increase Measurement of Temperature Rises	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 Clause 4.23 ISO 8124-1: 2014 Clause 4.24 Clause 5.18 Japan ST 2012, Clause 4.20 Clause 5.16 BSEN 71-1: 2014 Clause 4.21 Clause 8.30	Qualitative
41.	Toys Stability & Over Load requirements	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	ASTM F 963: 11, Clause 4.15.5, 4.15.6 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.20 Clause 8.26	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
42.	Toys with Brakeing Device (Toys Scooter & Toys Bicycle)	Freewheeling Facility & Brake Performance Test Break Performance for mechanically or electrically powered ride on toys other than toy bicycles Brake Performance Test for Toy Bicycle	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 Clause 4.20, 4.21 ISO 8124-1: 2014 Clause 4.21, 4.22 Clause 5.16.1 Clause 5.16.2 Clause 5.16.3	Qualitative
43.	Toys – Scooter	Heavy Immobile Toys Sharpness of Edges Sharpness of Point Static Strength Dynamic Strength Stability Test Break Performance Strength of steering tubes Determination Speed Test Sharp Edge Test Sharp Point Test Stability & Over Load Test Static Strength Dynamic Strength	BSEN 71-1: 2014 Clause 4.15, 4.16 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: 2013 IS 9873 (Part 1): 2012 Clause 4.29 ISO 8124-1: 2014 Clause 4.30 Clause 5.8 Clause 5.9 Clause 5.12 Clause 5.26 Clause 5.27	Qualitative

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toys – Scooter	Break Performance Strength of Steering tubes Resistance to separation of Handlebar	Clause 5.28 Clause 5.29 Clause 5.30	Qualitative
44.	Art Material Toys & Gun Marking Toys	Drop Test Torque Test Tension Test Compression Test	AS/NZS ISO 8124.1: 2013 ISO 8124-1: 2014 Annexure D ASTM F 963: 11, Clause 4.29 16 CFR 1500.14: 2011 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10	Qualitative
45.	Shape and Size of certain toys	Geometric Shape of Toys	BSEN 71-1: 2014 Clause 5.8 Clause 8.16	Qualitative
		Test for shape & size of certain toys Small Ball Test Tension Test Test for Pompom Test for Preschool Play Figures	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.5 Clause 5.3 Clause 5.4 Clause 5.24.6 Clause 5.5 Clause 5.6	
		Template Test	Japan ST 2012, Clause 4.5 Clause 5.3	

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46.	Toys	Material Quality	AS/NZS ISO 8124.1: 2013 IS 9873 (Part 1): 2012 ISO 8124-1: 2014 Clause 4.3 Japan ST 2012, Clause 4.3 ASTM F 963: 11, Clause 4.1	Qualitative
		Material Cleanliness & Assembly	BSEN 71-1: 2014 Clause 4.1/ 4.2	
47.	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	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	Qualitative
		Eyes & Nose Security Test	SOR 2011-17 M0.3, Section 4	
48.	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

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49.	Battery operated Toys	Drop Test Torque Test Tension Test Compression Test Flexure Test	ASTM F 963: 2011, Clause 4.25 Clause 8.7.1 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.12	Qualitative
MOBILE LABORATORY (INDATI)				
I. TEXTILE MATERIALS				
1.	Textile & Garment	Threads per unit length in woven fabric	ASTM D 3775: 2012 BSEN 1049 (Part 2): 1994	(1 to 80) per cm (3 to 200) per inch
		Construction of knitted fabric	ASTM D 3887: 96 (2008) BS 5441: 1998	(1 to 80) per cm (3 to 200) per inch
		Fabric Width	ASTM D 3774: 96 (2012) ISO 22198: 2006	1 cm to 300 cm
		Pilling Resistance (Martindale) Pilling Resistance (Modified Martindale)	ASTM D 4970: 10e1 BSEN ISO 12945-2: 2000	Qualitative (Grade: 1 to 5)
		Abrasion Resistance (Martindale Specimen Break Down)	ASTM D 4966: 12e1 BSEN ISO 12947-1: 1999 BSEN ISO 12947-2: 1999	(10 to 15000) cycles Qualitative (Grade: 1 to 5)
		Tensile Strength – Grab Method	ASTM D 5034: 09 (2013) BSEN ISO 13934 -2: 2014	20 N to 4.5 kN
		Tensile Strength – Strip Method	ASTM D 5035: 2011 BSEN ISO 13934 -1: 2013	20 N to 4.5 kN
		Tear Strength (Elmendorf)	ASTM D 1424 : 09 (2013) BSEN ISO 13937 -1: 2000	3 N to 50 N

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