

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11104-01-00 according to ISO/IEC 17025:2017

Period of validity: 06.04.2020 to 08.07.2023 Date of issue: 06.04.2020

Holder of certificate:

TÜV SÜD Hong Kong Limited
18/F and 19/F, Yuen Long Trading Centre, 33 Wang Yip Street West, Yuen Long,
New Territories
Hong Kong, SAR, People's Republic of China

Tests in the fields:

physical and mechanical testing of textiles, fabrics and toys; chemical and physical-chemical testing of textiles, garments, fabrics, leather and leather goods, rubber, plastics, toys, food containers, fashion jewellery, children' articles, electrical and electronic equipment as well as articles coming into contact with skin; determination of formaldehyde in textiles, leather products, wood and toys; selected chemical tests on liquid paints, printing ink and other coating materials; selected chemical test on silicone elastomers

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

Abbreviations used: see last page

1 Physical and mechanical testing on textiles, fabrics and toys

1.1 Colour fastness tests

ISO 105-E04 2013-03	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration
DIN 53160 1974-06	Testing of coloured toys for resistance to saliva and perspiration <i>(withdrawn standard)</i>
DIN 53160-1 2010-01	Determination of the colourfastness of articles for common use - Part 1: Test with artificial saliva
DIN 53160-2 2010-01	Determination of the colourfastness of articles in common use - Part 2: Test with artificial sweat

1.2 Physical and mechanical testing on textiles

ASTM D1230 2010	Standard Test Method for Flammability of Apparel Textiles
16CFR 1610 2011-01	Standard for the flammability of clothing textiles

1.3 Physical and mechanical testing on toys, child care article and writing instrument

ISO 8124-1 2018	Safety of toys - Part 1: Safety aspects related to mechanical and physical properties
	4.1 Normal use
	4.2 Reasonably foreseeable abuse
	4.3 Material
	4.4 Small parts
	4.5 Shape, size and strength of certain toys
	4.6 Edges
	4.7 Points
	4.8 Projections
	4.9 Metal wires and rods
	4.10 Plastic film or plastic bags in packaging and in toys
	4.11 Cords and elastics
	4.12 Folding mechanisms
	4.13 Holes, clearances and accessibility of mechanisms
	4.14 Springs
	4.15 Stability and overload requirement (excluding 4.15.2)
	4.16 Enclosures
	4.17 Simulated protective equipment, such as helmets, hats and goggles
	4.18 Projectile toys
	4.19 Rotors and propellers
	4.20 Aquatic toys
	4.21 Braking (excluding 4.21 a)
	4.22 Toy bicycles (excluding 4.22.3)
	4.23 Speed limitation of electrically driven ride-on toys
	4.24 Toys containing a heat source
	4.25 Liquid filled toys

- 4.26 Mouth-actuated toys
- 4.27 Toys roller skates and toy skateboards
- 4.28 Percussion caps
- 4.29 Acoustic requirements
- 4.30 Toy Scooters
- 4.31 Magnets and magnetic components
- 4.32 Yo-yo balls
- 4.33 Straps intended to be worn fully or partially around the neck
- 4.34 Sledges and toboggans with cords for pulling
- 4.35 Jaw entrapment in handles and steering wheels
- 5.1 General
- 5.2 Small parts test
- 5.3 Test for shape and size of certain toys
- 5.4 Small balls test

ISO 8124-1 2018	<p>Safety of toys - Part 1: Safety aspects related to mechanical and physical properties</p> <ul style="list-style-type: none"> 5.5 Test for Pompoms 5.6 Test for preschool play figures 5.7 Accessibility of a part or component 5.8 Sharp edge test 5.9 Sharp point test 5.10 Determination of thickness of plastic film and sheeting 5.11 Test for cords 5.12 Stability and overload tests (excluding 5.12.5) 5.13 Test for closures and toy chest lids 5.14 Impact test for toys that cover the face 5.15 Kinetic energy and wall impact test 5.17 Determination of speed of electrically driven ride-on toys 5.18 Determination of temperature increases 5.19 Leakage of liquid-filled toys 5.20 Durability of mouth-actuated toys 5.21 Expanding materials 5.22 Folding or sliding mechanism 5.23 Washable toys 5.24 Reasonably foreseeable abuse tests 5.25 Determination of sound pressure levels 5.26 Static strength of toy scooter 5.27 Dynamic strength of toy scooter 5.28 Brake performance for toy scooter 5.29 Strength of toy scooter steering tubes 5.30 Resistance to separation of handlebar 5.31 Tension test for magnet 5.32 Magnetic flux index 5.33 Impact test for magnets 5.34 Soaking test for magnets 5.35 Determination of projectile range 5.36 Tip assessment of rigid projectiles 5.37 Length of suction cup projectiles 5.38 Yo-yo ball measurement
ISO 8124-2 2014	<p>Flammability Excluding -Test for flammable gases, highly flammable liquids, flammable liquids, flammable gels and highly flammable solids - Surface flash on pile surface</p>

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ISO 8124-4
2014-10

Safety of toys - Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use

- 4.1.1 Assembly
- 4.1.2 Static strength
- 4.1.3 Maximum height
- 4.1.4 Corners and edges
- 4.1.5 Protruding part
- 4.3.3 Entrapment of feet
- 4.3.4 Entrapment of fingers
- 4.4.1 General
- 4.4.2 Stability of activity toys with a free height of fall of 600 mm or less
- 4.4.3 Stability of activity toys with a free height of fall of more than 600 mm
- 4.7 Seesaws
- 4.8 Carousels and rocking toys
- 4.9 Paddling pools
- 5 Warnings and labelling

ISO 11540
2014

Caps for writing and marking instruments intended for use by children up to 14 years of age - safety requirements

EN 71-1
2014+A1:2018
BS EN 71-1
2011+A3:2014
EN 71-1
2011+A3:2014

Safety of toys - Part 1 : Mechanical and physical properties

- 4.1 Material cleanliness
- 4.2 Assembly
- 4.3 Flexible plastic sheeting
- 4.4 Toy bogs
- 4.5 Glass
- 4.6 Expanding materials
- 4.7 Edges
- 4.8 Points and metallic wires
- 4.9 Protruding parts
- 4.10 Parts moving against each other
- 4.11 Mouth-actuated toys and toys intended to be put in mouth
- 4.12 Balloons
- 4.13 Cords of toy kits and other flying toys
- 4.14 Enclosures
- 4.15 Toys intended to bear the mass of a child (except 4.15.1. 5)
- 4.16 Heavy immobile toys
- 4.17 Projectiles toys

EN 71-1	Safety of toys - Part 1 : Mechanical and physical properties
2014+A1:2018	4.18 Aquatic toys and inflatable toys
BS EN 71-1	4.19 Percussion caps specifically designed for use in toys and toys using percussion cups
2011+A3:2014	
EN 71-1	4.20 Acoustics
2011+A3:2014	4.21 Toys containing a non-electrical heat source
	4.22 Small balls
	4.23 Magnets
	4.24 Yoyo balls
	4.25 Toys attached to food
	4.26 Toy disguise costumes
	4.27 Flying toys
	5.1 General requirements
	5.2 Soft-filled toys and soft-filled parts of a toy
	5.3 Plastic sheeting
	5.4 Cords, chains and electrical cables in toys
	5.5 Liquid-filled toys
	5.6 Speed limitation of electrically driven ride-on toys
	5.7 Glass and porcelain
	5.8 Shape and size of certain toys
	5.9 Toys comprising monofilament fibres
	5.10 Small balls
	5.11 Play figures
	5.12 Hemispheric-shaped toys
	5.13 Suction cups
	5.14 Straps intended to be worn fully or partially around the neck
	5.15 Sledges with cords for pulling
	6 Packaging
	7 Warnings and instructions for use
	8.1 General requirements for testing
	8.2 Small parts cylinder
	8.3 Torque test
	8.4 Tension test
	8.5 Drop test
	8.6 Tip over test
	8.7 Impact test
	8.8 Compression test
	8.9 Soaking test

	8.10	Accessibility of a part or component
	8.11	Sharpness of edges
	8.12	Sharpness of points
	8.13	Flexibility of metallic wires
	8.14	Expanding materials
	8.15	Leakage of liquid-filled toys
	8.16	Geometric shape of certain toys
	8.17	Durability of mouth-actuated toys
	8.18	Folding or sliding mechanisms
	8.19	Electrical resistivity of cords
EN 71-1		Safety of toys - Part 1 : Mechanical and physical properties
2014+A1:2018	8.20	Cords cross sectional dimensions
BS EN 71-1	8.21	Static strength
2011+A3:2014	8.22	Dynamic strength
EN 71-1	8.23	Stability
2011+A3:2014	8.24	Kinetic energy of projectiles
	8.25	Plastic sheeting
	8.26	Brake performance
	8.27	Strength of toy scooter steering tubes
	8.28	Determination of emission sound pressure level (excluded 8.28.2.4 – Toys with earphones and headphones)
	8.29	Determination of speed of electrically driven ride-on toys
	8.30	Measurement of temperature rises
	8.31	Toy chest lids
	8.32	Small balls and suction cups test
	8.33	Test for play figures
	8.34	Tension test for magnets
	8.35	Magnetic flux index
	8.36	Perimeter of cords and chains
	8.37	Yo-yo balls measurements
	8.38	Breakaway feature separation test
	8.39	Self-retracting cords
	8.40	Length of cords, chains and electrical cables
	8.41	Assessment of the tangle potential of two cords or chains
	8.42	Determination of projectile range
	8.43	Assessment of leading parts of projectiles and flying toys
	8.44	Length of suction cup projectiles

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<p>EN 71-2 2011+A1:2014 BS EN 71-2 2011+A1:2014</p>	<p>Safety of toys - Part 2: Flammability - Excluding - Test for flammable gases, highly flammable liquids, flammable liquids, flammable gels - Surface flash on pile surface</p>
<p>EN 71-5 2013</p>	<p>Safety of toys - Part 5: Chemical toys (sets) other than experimental sets Clauses 12.3 only</p>
<p>EN 71-8 2018-03 BS EN 71-8 2011-10</p>	<p>Safety of toys - Part 8: Activity toys for domestic use Clause</p> <ul style="list-style-type: none"> 4.1.1 Assembly 4.1.2 Static strength 4.1.3 Maximum height 4.1.4 Corners and edges 4.1.5 Protruding part 4.3.3 Entrapment of feet 4.3.4 Entrapment of fingers 4.4.1 General 4.4.2 Stability of activity toys with a free height of fall of 600 mm or less 4.4.3 Stability of activity toys with a free height of fall of more than 600 mm 4.7 Seesaws 4.8 Carousels and rocking toys 4.9 Paddling pools 5 Warnings and labeling
<p>EN 12586 2007-10 A1 2011</p>	<p>Child use and care articles - Soother holder - Safety requirements and test methods (exclude 5.3.5, 5.3.8, 5.3.9-11 and 6.2.3, 6.2.4, 6.2.5-7)</p>
<p>EN 14372 2004-08</p>	<p>Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (excluding Clauses 5.2.6, 5.4, 6.3, Annexes A and B)</p>
<p>EN 14350-1 2004-08</p>	<p>Child use and care articles Drinking equipment - Part 1: General and mechanical requirements and tests (excluding clause 5.6.2)</p>

ASTM F963-17
2017

- Standard Consumer Safety Specification for Toy Safety
- 4 Safety Requirements
 - 4.1 Material Quality (Visual Assessment)
 - 4.3.7 Stuffing Materials
 - 4.4 Electrical / Thermal Energy
 - 4.5 Sound-Producing Toys
 - 4.6 Small Objects
 - 4.7 Accessible Edges
 - 4.8 Projections
 - 4.9 Accessible Points
 - 4.10 Wires or Rods
 - 4.11 Nails and Fasteners
 - 4.12 Plastic Film
 - 4.13 Folding Mechanisms and Hinges
 - 4.14 Cords, Straps and Elastic
 - 4.15 Stability and Over-Load Requirements (excluding 4.15.5 Overload requirement for ride-on toys and seats)
 - 4.16 Confined Spaces
 - 4.17 Wheels, Tires, and Axles
 - 4.18 Holes, Clearance and Accessibility of Mechanisms
 - 4.19 Simulated Protective Devices
 - 4.20 Pacifiers
 - 4.21 Projectile Toys
 - 4.22 Teethers and Teething Toys
 - 4.23 Rattles
 - 4.24 Squeeze Toys
 - 4.25 Battery-Operated Toys
 - 4.26 Toys Intended to be Attached to a Crib or Playpen
 - 4.27 Stuffed and Beanbag-Type Toys
 - 4.28 Stroller and Carriage Toys
 - 4.29 Art Materials
 - 4.30 Toy Gun Marking
 - 4.31 Balloons
 - 4.32 Certain Toys with Nearly Spherical Ends
 - 4.33 Marbles
 - 4.34 Balls
 - 4.35 Pompoms
 - 4.36 Hemispheric-Shaped Objects
 - 4.37 Yo Yo Elastic Tether Toys
 - 4.38 Magnets
 - 4.39 Jaw Entrapment in Handles and Steering Wheels
 - 4.40 Expanding Materials
 - 4.41 Toy Chests

ASTM F963-17
2017

	Standard Consumer Safety Specification for Toy Safety
5	Labeling Requirements
5.4	Aquatic Toys
5.5	Crib and Playpen Toys
5.6	Mobiles
5.7	Stroller and Carriage Toys
5.8	Toys Intended to be Assembled By an Adult
5.9	Simulated Protective Devices
5.10	Toys with Functional Sharp Edges or Points
5.11	Small Objects, Small Balls, Marbles, and Balloons
5.12	Toy Caps
5.13	Art Materials
5.14	Electric Toys
5.15	Battery-Operated Toys
5.16	Promotional Materials
5.17	Magnets
6	Instructional Literature
6.1	Definition and Description
6.2	Crib and Playpen Toys
6.3	Mobiles
6.4	Toys Intended to be Assembled By an Adult
6.5	Battery-Operated Toys
6.6	Battery Powered Ride-on Toys
6.7	Toys in Contact with Food
6.8	Toy Chests
7	Producer's Markings
7.1	Name and Address of the Producer or the Distributor
7.2	Battery Powered Ride-on Toys
7.3	Toy Chests
8.5	Normal Use Testing
8.6	Abuse Testing
8.7	Impact Tests
8.8	Torque Tests for Removal of Components
8.9	Tension Test for Removal of Components
8.10	Compression Test
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal
8.12	Flexure Test
8.13	Test for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys
8.14	Projectiles
8.15	Test for Stability of Ride-On Toys or Toy Seats
8.16	Pompoms
8.17	Stalled Motor Test for Battery-Operated Toys
8.18	Tests for Battery-Powered Ride-On Toys
8.19	Test for Toys that Contain Secondary Cells or Batteries

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ASTM F963-17
2017

Standard Consumer Safety Specification for Toy Safety
8.20 Tests for Toys which Produce Noise
8.21 Dynamic Strength Test for Wheeled Ride-On Toys
8.22 Plastic Film Thickness
8.23 Test for Loops and Cords
8.24 Yo Yo Elastic Tether Toy Test Methods
8.25 Magnet Test Methods
8.26 Test Methods for Locking Mechanisms or Other Means
8.27 Tests for Toy Chest Lids and Closures
8.28 Test for Overload of Ride-On Toys and Toy Seats
8.29 Stuffing Materials Evaluation
8.30 Expanding Materials – Test Method
9 Identification

AS/NZS 8124-1
2019

Safety of Toys - Part 1: Safety aspects related to mechanical and physical properties
4.1 Normal use
4.2 Reasonably foreseeable abuse
4.3 Material
4.4 Small parts
4.5 Shape, size and strength of certain toys
4.6 Edges
4.7 Points
4.8 Projections
4.9 Metal wires and rods
4.10 Plastic film or plastic bags in packaging and in toys
4.11 Cords and elastics
4.12 Folding mechanisms
4.13 Holes, clearances and accessibility of mechanisms
4.14 Springs
4.15 Stability and overload requirement (excluding 4.15.2)
4.16 Enclosures
4.17 Simulated protective equipment, such as helmets, hats and goggles
4.18 Projectile toys
4.19 Rotors and propellers
4.20 Aquatic toys
4.21 Braking (excluding 4.21 a))
4.22 Toy bicycles (excluding 4.22.3)
4.23 Speed limitation of electrically driven ride-on toys
4.24 Toys containing a heat source

AS/NZS 8124-1
2019

Safety of Toys - Part 1: Safety aspects related to mechanical and physical properties

- 4.25 Liquid filled toys
 - 4.26 Mouth-actuated toys
 - 4.27 Toys roller skates and toy skateboards
 - 4.28 Percussion caps specifically designed for use in toys
 - 4.29 Acoustic requirements
 - 4.30 Toy Scooters
 - 4.31 Magnets and magnetic components
 - 4.32 Yo-yo balls
 - 4.33 Straps intended to be worn fully or partially around the neck
 - 4.34 Sledges and toboggans with cords for pulling
 - 4.35 Jaw entrapment in handles and steering wheels
-
- 5.1 General
 - 5.2 Small parts test
 - 5.3 Test for shape and size of certain toys
 - 5.4 Small balls test
 - 5.5 Test for Pompoms
 - 5.6 Test for preschool play figures
 - 5.7 Accessibility of a part or component
 - 5.8 Sharp edge test
 - 5.9 Sharp point test
 - 5.10 Determination of thickness of plastic film and sheeting
 - 5.11 Test for cords
 - 5.12 Stability and overload tests (excluding 5.12.5)
 - 5.13 Test for closures and toy chest lids
 - 5.14 Impact test for toys that cover the face
 - 5.15 Kinetic energy and wall impacts
 - 5.17 Determination of speed of electrically driven ride-on toys
 - 5.18 Determination of temperature increases
 - 5.19 Leakage of liquid-filled toys
 - 5.20 Durability of mouth-actuated toys
 - 5.21 Expanding materials
 - 5.22 Folding or sliding mechanism
 - 5.23 Washable toys
 - 5.24 Reasonably foreseeable abuse tests
 - 5.25 Determination of sound pressure levels

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AS/NZS 8124-1 2019	Safety of Toys - Part 1: Safety aspects related to mechanical and physical properties 5.26 Static strength of toy scooter 5.27 Dynamic strength of toy scooter 5.28 Brake performance for toy scooter 5.29 Strength of toy scooter steering tubes 5.30 Resistance to separation of handlebar 5.31 Tension test for magnet 5.32 Magnetic flux index 5.33 Impact test for magnets 5.34 Soaking test for magnets 5.35 Determination of projectile range 5.36 Tip assessment of rigid projectiles 5.37 Length of suction cup projectiles 5.38 Yo-yo ball measurement
AS/NZS 8124-2 2016	Flammability Excluding -Test for flammable gases, highly flammable liquids, flammable liquids, flammable gels and highly flammable solids Surface flash on pile surface
SNI ISO 8124-1 2010	Safety of toys - Part 1: Specification of physical and mechanical properties
SNI ISO 8124-2 2010	Safety of toys - Part 2: Flammability
SNI ISO 8124-4 (2010)	Safety of toys - Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use clause 4.1.1, 4.1.2, 4.1.3, 4.1.6, 4.4.3, 4.4.4, 4.5.1, 4.5.2, 4.5.3, 4.8, 4.9, 5 only
KS G ISO 8124-1 2016	Safety of Toys - Part 1: Safety aspects related to mechanical and physical properties 4.1 Normal use 4.2 Reasonably foreseeable abuse 4.3 Material 4.4 Small parts 4.5 Shape, size and strength of certain toys 4.6 Edges 4.7 Points 4.8 Projections 4.9 Metal wires and rods

KS G ISO 8124-1
2016

Safety of Toys - Part 1: Safety aspects related to mechanical and physical properties

- 4.10 Plastic film or plastic bags in packaging and in toys
- 4.11 Cords and elastics
- 4.12 Folding mechanisms
- 4.13 Holes, clearances and accessibility of mechanisms
- 4.14 Springs
- 4.15 Stability and overload requirement (excluding 4.15.2)
- 4.16 Enclosures
- 4.17 Simulated protective equipment, such as helmets, hats and goggles
- 4.18 Projectile toys
- 4.19 Rotors and propellers
- 4.20 Aquatic toys
- 4.21 Braking (excluding 4.21 a))
- 4.22 Toy bicycles (excluding 4.22.3)
- 4.23 Speed limitation of electrically driven ride-on toys
- 4.24 Toys containing a heat source
- 4.25 Liquid filled toys
- 4.26 Mouth-actuated toys
- 4.27 Toys roller skates and toy skateboards
- 4.28 Percussion caps
- 4.29 Acoustic requirements
- 4.30 Toy Scooters
- 4.31 Magnets and magnetic components
- 5.1 General
- 5.2 Small parts test
- 5.3 Test for shape and size of certain toys
- 5.4 Small balls test
- 5.5 Test for Pompoms
- 5.6 Test for preschool play figures
- 5.7 Accessibility of a part or component
- 5.8 Sharp edge test
- 5.9 Sharp point test
- 5.10 Determination of thickness of plastic film and sheeting
- 5.11 Test for cords
- 5.12 Stability and overload tests (excluding 5.12.5)
- 5.13 Test for closures and toy chest lids
- 5.14 Impact test for toys that cover the face
- 5.15 Kinetic energy of projectiles, bows and arrows
- 5.17 Determination of speed of electrically driven ride-on toys
- 5.18 Determination of temperature increases
- 5.19 Leakage of liquid-filled toys
- 5.20 Durability of mouth-actuated toys

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KS G ISO 8124-1 2016	<ul style="list-style-type: none"> 5.21 Expanding materials 5.22 Folding or sliding mechanism 5.23 Washable toys 5.24 Reasonably foreseeable abuse tests 5.25 Determination of sound pressure levels 5.26 Static strength of toy scooter 5.27 Dynamic strength of toy scooter 5.28 Brake performance for toy scooter 5.29 Strength of toy scooter steering tubes 5.30 Resistance to separation of handlebar 5.31 Tension test for magnet 5.32 Magnetic flux index 5.33 Impact test for magnets 5.34 Soaking test for magnets 5.35 Determination of projectile range 5.36 Tip assessment of rigid projectiles 5.37 Length of suction cup projectiles
KS G ISO 8124-2 2015	Safety of toys - Part 2: Flammability
KS G ISO 8124-4 2015	Safety of toys - Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use
IS 9873 (part 1) 2017	<p>Safety of Toys Part 1 Safety Aspects Related to Mechanical and Physical Properties (Third Revision)</p> <ul style="list-style-type: none"> 4.1 Normal use 4.2 Reasonably foreseeable abuse 4.3 Material 4.4 Small parts 4.5 Shape, size and strength of certain toys 4.6 Edges 4.7 Points 4.8 Projections 4.9 Metal wires and rods 4.10 Plastic film or plastic bags in packaging and in toys 4.11 Cords and elastics 4.12 Folding mechanisms 4.13 Holes, clearances and accessibility of mechanisms 4.14 Springs 4.15 Stability and overload requirement (excluding 4.15.2) 4.16 Enclosures 4.17 Simulated protective equipment, such as helmets, hats and

- goggles
- 4.18 Projectile toys
- 4.19 Rotors and propellers
- 4.20 Aquatic toys
- 4.21 Braking (excluding 4.21 a))
- 4.22 Toy bicycles (excluding 4.22.3)
- 4.23 Speed limitation of electrically driven ride-on toys
- 4.24 Toys containing a heat source
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- 4.27 Toys roller skates and toy skateboards
- 4.28 Percussion caps
- 4.29 Acoustic requirements
- 4.30 Toy Scooters
- 4.31 Magnets and magnetic components
- 5.1 General
- 5.2 Small parts test
- 5.3 Test for shape and size of certain toys
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- 5.5 Test for Pompoms
- 5.6 Test for preschool play figures
- 5.7 Accessibility of a part or component
- 5.8 Sharp edge test
- 5.9 Sharp point test
- 5.10 Determination of thickness of plastic film and sheeting
- 5.11 Test for cords
- 5.12 Stability and overload tests (excluding 5.12.5)

IS 9873 (part 1) 2017	Safety of Toys Part 1 Safety Aspects Related to Mechanical and Physical Properties (Third Revision)
	<ul style="list-style-type: none"> 5.13 Test for closures and toy chest lids 5.14 Impact test for toys that cover the face 5.15 Kinetic energy of projectiles, bows and arrows 5.17 Determination of speed of electrically driven ride-on toys 5.18 Determination of temperature increases 5.19 Leakage of liquid-filled toys 5.20 Durability of mouth-actuated toys 5.21 Expanding materials 5.22 Folding or sliding mechanism 5.23 Washable toys 5.24 Reasonably foreseeable abuse tests 5.25 Determination of sound pressure levels 5.26 Static strength of toy scooter 5.27 Dynamic strength of toy scooter 5.28 Brake performance for toy scooter 5.29 Strength of toy scooter steering tubes 5.30 Resistance to separation of handlebar 5.31 Tension test for magnet 5.32 Magnetic flux index 5.33 Impact test for magnets 5.34 Soaking test for magnets 5.35 Determination of projectile range 5.36 Tip assessment of rigid projectiles 5.37 Length of suction cup projectiles
IS 9873 (part 2) 2017	Safety of Toys Part 2 Flammability (Third Revision)
IS 9873 (part 4) 2017	Safety of Toys Part 4 Swings, Slides and Similar Activity Toys for Indoor and Outdoor Family Domestic Use

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GB 6675.1 2014	Toy Safety Part 1 - Basic Code
GB 6675.2 2014	Toy Safety Part 2 - Mechanical and Physical Properties
	4.1 Normal use
	4.2 Reasonably foreseeable abuse
	4.3 Material
	4.4 Small parts
	4.5 Shape, size and strength of certain toys
	4.6 Edges
	4.7 Points
	4.8 Projections
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	4.10 Plastic film or plastic bags in packaging and in toys
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	4.21 Toy bicycles (excluding 4.21.3)
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	4.23 Toys containing a heat source
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	4.25 Mouth-actuated toys
	4.26 Toys roller skates and toy skateboards
	4.27 Percussion caps
	4.28 Acoustic requirements
	4.29 Magnets and magnetic components

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GB 6675.2 2014	<p>Toy Safety Part 2 - Mechanical and Physical Properties</p> <p>5.1 General</p> <p>5.2 Small parts test</p> <p>5.3 Test for shape and size of certain toys</p> <p>5.4 Small balls test</p> <p>5.5 Test for Pompoms</p> <p>5.6 Test for preschool play figures</p> <p>5.7 Accessibility of a part or component</p> <p>5.8 Sharp edge test</p> <p>5.9 Sharp point test</p> <p>5.10 Determination of thickness of plastic film and sheeting</p> <p>5.11 Test for cords</p> <p>5.12 Stability and overload tests (excluding 5.12.5)</p> <p>5.13 Test for closures and toy chest lids</p> <p>5.14 Impact test for toys that cover the face</p> <p>5.15 Kinetic energy of projectiles, bows and arrows</p> <p>5.17 Determination of speed of electrically driven ride-on toys</p> <p>5.18 Determination of temperature increases</p> <p>5.19 Leakage of liquid-filled toys</p> <p>5.20 Durability of mouth-actuated toys</p> <p>5.21 Expanding materials</p> <p>5.22 Folding or sliding mechanism</p> <p>5.23 Washable toys</p> <p>5.24 Reasonably foreseeable abuse tests</p> <p>5.25 Determination of sound pressure levels</p> <p>5.26 Tension test for magnets</p> <p>5.27 Magnetic flux index</p> <p>5.28 Impact test for magnets</p> <p>5.29 Soaking test for magnets</p> <p>Annex A Age-grading guidelines</p> <p>Annex B Safety-labeling guidelines and manufacturer's markings</p> <p>Annex C Design guidelines for toys attached to cribs or playpens</p> <p>Annex D Toy gun making</p> <p>Annex E Rationale</p>
GB 6675.3 2014	<p>Toy Safety Part 3 – Flammability</p>
GB 5296.1 2012	<p>Instructions for use of products of consumer interest - General principles</p>

GB 5296.5
2006

Instructions for use of products of consumer interest - Part 5: Toys

NM 300-1 : 2002
(A1:2007)

Safety of toys - Part 1: Safety aspects related to mechanical and physical properties

- 4.1 Normal use
- 4.2 Reasonably foreseeable abuse
- 4.3 Material
- 4.4 Small parts
- 4.5 Shape, size and strength of certain toys
- 4.6 Edges
- 4.7 Points (excluding 4.7.3)
- 4.8 Projections
- 4.9 Metal wires and rods
- 4.10 Plastic film or plastic bags in packaging and in toys
- 4.11 Cords and elastics
- 4.12 Folding mechanisms
- 4.13 Holes, clearances and accessibility of mechanisms
- 4.14 Springs
- 4.15 Stability and overload requirement (excluding 4.15.2)
- 4.16 Enclosures
- 4.17 Simulated protective equipment, such as helmets, hats and goggles
- 4.18 Projectile toys
- 4.19 Aquatic toys
- 4.21 Toy bicycles (excluding 4.21.3)
- 4.22 Speed limitation of electrically driven ride-on toys
- 4.23 Toys containing a heat source
- 4.24 Liquid filled toys
- 4.25 Mouth-actuated toys
- 4.26 Toys skates and toy skateboards
- 4.27 Percussion caps
- 4.28 Acoustic requirements
- 5.1 General
- 5.2 Small parts test
- 5.3 Test for shape and size of certain toys
- 5.4 Small balls test
- 5.5 Test for Pompoms
- 5.6 Test for preschool play figures
- 5.7 Accessibility of a part or component
- 5.8 Sharp edge test
- 5.9 Sharp point test
- 5.10 Determination of thickness of plastic film and sheeting

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<p>NM 300-1 : 2002 (A1:2007)</p>	<p>Safety of toys- Part1: Safety aspects related to mechanical and physical properties</p> <ul style="list-style-type: none"> 5.11 Test for cords 5.12 Stability and overload tests (excluding 5.12.5) 5.13 Test for closures and toy chest lids 5.14 Impact test for toys that cover the face 5.15 Kinetic energy of projectiles, bows and arrows 5.17 Determination of speed of electrically driven ride-on toys 5.18 Determination of temperature increases 5.19 Leakage of liquid-filled toys 5.20 Durability of mouth-actuated toys 5.21 Expanding materials 5.22 Folding or sliding mechanism 5.23 Washable toys 5.25 Reasonably foreseeable abuse tests 5.26 Determination of emission sound pressure levels <p>Annex A Age-grading guidelines</p> <p>Annex B Safety-labeling guidelines and manufacturer's markings</p> <p>Annex C Design guidelines for toys attached to cribs or playpens</p> <p>Annex D Rationale</p>
<p>ABNT NBR NM 300-2 2004 NM 300-2 2002</p>	<p>Safety of toys - Part 2: Flammability Here: excluding the following> viscosity tests, flammable liquid, highly flammable liquid, Surface flash on pile surface.</p>
<p>Canada Hazardous Products (Pacifiers) regulations (SOR/2016-184)</p>	<p>Canada Hazardous Products (Pacifiers) regulations (SOR/2016-184)</p>
<p>Canada Consumer Product Safety Act - Textile Flammability Regulations (SOR/2016-194)</p>	<p>Canada Consumer Product Safety Act - Textile Flammability Regulations</p>
<p>Canada Consumer Product Safety Act - Toys Regulations (SOR / 2011-17) with amendment (SOR/2016-195)</p>	<p>Canada Consumer Product Safety Act - Toys Regulations</p> <p>Section 32 Dolls, Plush toys and Soft toys - Flammability of outer covering</p> <p>Section 33 Dolls, Plush toys and Soft toys - Flammability of yarn</p> <p>Section 34 Dolls, Plush toys and Soft toys - Flammability of hair or mane</p>

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Canada Consumer Product Safety act - Toys Regulations (SOR/ 2011-17) with amendment (SOR/2016-195)	Canada Consumer Product Safety act - Toys Regulations
	3 General
	4 Packaging
	5 Electrically operated toys
	6 Electrically heated toys
	7 Small parts
	8 Metal edges
	9 Wire frames
	10 Plastic edges
	11 Wood
	12 Glass
	13 Fasteners
	14 Folding mechanisms, bracket or bracing
	15 Spring-wound driving mechanism
	16 Projectile component of toy, other than a rocketry component
	17 Enclosures
	18 Stationary toys that is intended to bear weight of a child
	19 Auditory hazard - Decibel limit
	20 Heated surfaces, parts or substance - Thermal and labelling
	21 Celluloid or cellulose nitrate, other than ping-pong ball
	28 Dolls, Plush toys and Soft toys - Fastening to attach parts, clothing or ornamentation
	29 Dolls, Plush toys and Soft toys - Stuffing materials
	30 Dolls, Plush toys and Soft toys - Squeaker, reed, valve or other similar device
	31 Dolls, Plush toys and Soft toys - Eyes and Noses
	35 Plant seeds - Noise
	36 Plant seeds - Stuffing material
	37 Pull and Push Toys - Shaft-like handles
	39 Finger Paints - Water based paints
	40 Rattles
	41 Elastics
	42 Yoyo Type Balls
Consumer Goods (Babies' Dummies and Dummy Chains) Safety Standard 2017	Consumer Goods (Babies' Dummies and Dummy Chains) Safety Standard 2017
Consumer Goods (Bean Bags) Safety standard 2014	Consumer Goods (Bean Bags) Safety standard 2014
BS 7272-1 2008-04	Writing and marking instruments - Part 1: Specification for caps to reduce the risk of asphyxiation

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<p>BS 7272-2 2008 A1 2014 BS 7272-2 2008-04 with Corrigendum No.1 2009-09</p>	<p>Writing and marking instruments - Part 2: Specification for end closures to reduce the risk of asphyxiation</p>
<p>French decree on Imitating Foodstuffs (France) 1992-09</p>	<p>Mechanical and physical properties requirements specified in decree n° 92-985 of September 9, 1992 - decree relating to the prevention of the risks resulting from the imitating use of certain products of the foodstuffs, nor: ecoc9200051d</p>
<p>UK Food Limitation Regulations 1989</p>	<p>Food Imitations (Safety) Regulations 1989 (SI 1989 No. 1291) and UK Department of Trade & Industries: Guidance Notes to Suppliers</p>
<p>16 CFR 1500.44 2018-01</p>	<p>Method for determining extremely flammable and flammable solids</p>
<p>16 CFR 1500.48 2018-01</p>	<p>US 16 CFR Federal Hazardous Substances Act Regulations 16 Commercial Practices Chapter II - Consumer product safety commission § 1500.48 Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age</p>
<p>16 CFR 1500.49 2018-01</p>	<p>§ 1500.49 Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age</p>
<p>16 CFR 1500.50, 1500.51, 1500.52 and 1500.53 2018-01</p>	<p>Test methods for simulating use and abuse of toys and other articles intended for use by children</p> <ul style="list-style-type: none"> - Impact test - Bite test - Flexure test - Torque test - Tension test - Compression test
<p>16 CFR 1500.18(a)(9) 2018-01</p>	<p>Dive Sticks and Other Similar Articles - Method for determining the angle of a dive stick from vertical when it comes to rest under water</p>

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16 CFR 1500.86(a) (7) & (8) 2018-01	Method for determining the maximum vertical compressive force of a dive stick
16 CFR 1501 2018-01	§ 1501 Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts
16 CFR 1500.18(a)(15) 16 CFR 1510 2018-01	US 16 CFR Federal Hazardous Substances Act Regulations 16 Commercial Practices Chapter II - Consumer Product Safety Commission § 1500.10 Requirement for Rattles
16 CFR 1511 2018-01	Requirement for Pacifiers
16 CFR 1500.19 2018-01	Misbranded toys and other articles intended for use by children
16 CFR 1505 2018-01	Requirements for electrically operated toys or other electrically operated articles intended for use by children

1.4 Physical, mechanical and electrical testing on toys

EN 62115/A11 2013-06	Electric toys - Safety EN 62115
BS EN 62115 2005-08 A12 2015	Electric toys - Safety
IEC 62115 2017	Electric toys – Safety
IS 15644 2006	Safety of Electric toys
GB 19865 2005-09	Electrical Toys - Safety
SNI IEC 62115 2011	Electric toys - Safety

ABNT NBR NM 300-6 Safety of toys - Part 6: Safety of electric toys
2004
NM 300-6
2002

2 Chemical and physical-chemical testing of consumer products

2.1 Chemical testing of organic hazardous substances in plastics / polymers / coating / textile leather / silica / rubber / ink by gas chromatography mass spectrometer detector (GC-MS)

CPSC-CH-C1001-09.4 2017-10	Standard Operating Procedure for Determination of Phthalates
ISO 14389 2014-06 EN ISO 14389 2014-05	Determination of the phthalate content - Tetrahydrofuran method
KS G ISO 8124-6 2016	Safety of toys – Part 6: Certain phthalate esters in toys and children's products
IS 9873 (part 6) 2017	Safety of Toys Part 6 Determination of Certain Pthalate Esters in Toys and Children's Products
IS 9873 (part 9) 2017	Safety of Toys Part 9 Certain Phthalates Esters in Toys and Children's Products
AfPS GS 2014:01 PAK 2014-08	Prüfung und Bewertung von Polyzyklischen Aromatischen Kohlenwasserstoffen (PAK) bei der Zuerkennung des GS-Zeichens (Testing and evaluation of polycyclic aromatic hydrocarbons (PAHs) in the recognition of the GS mark)
CHM_HKG_WT_01.10E 2014-03	Determination of Organotin content in textiles, leather and plastic with GC-MS
CHM_HKG_WT_01.12E 2014-03	Determination of pentachlorophenol and tetrachlorophenol content in textiles and leather with GC-MS
CHM_HKG_WT_01.47E 2013-07	Determination of nonyl phenol and octylphenol content (In-house method)

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CHM_HKG_WT_01.85E 2013-07	Determination of Dimethyl Fumarate Content (In house method)
CHM_HKG_WT_01.86E 2013-07	Determination of N,N-Dimethylformamide (DMFA) Content (In-house method)
CHM_HKG_WT_01.95E 2013-07	Determination of Acetophenone and 2-Phenyl-2-Propanol content in EVA matrix by GCMS (in-house method)
CHM_GCN_WT_01.172E 2014-10	In-house method: Specific Migration of Phthalates from Food Contact Materials
CHM_GCN_WT_01.189E	With reference to ISO 18219 Determination of chlorinated hydrocarbons in leather – Chromatographic method for short-chain chlorinated paraffins (SCCP)
IEC 62321-8 2017-03	Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)
CHM_GCN_WT_01.234E 2019-09	Determination of Flame retardant by GC-MS
CHM_GCN_WT_01.235E 2019-09	Determination of Formamide by GC-MS

2.2 Chemical testing of organic hazardous substances in textile and leather by gas chromatography - mass spectrometer / high performance liquid chromatography – diode array detector (GC-MS/HPLC-DAD)

BS EN ISO 14362-1 2017-02	Textile - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres
BS EN ISO 14362-3 2017-02	Textile - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene the above two test methods are applied in connection with: <i>Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 43 as amended by Commission Regulation (EC) No. 552/2009</i>
ISO 17234-1 2015-04	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants

ISO 17234-2
2011-03 Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene

2.3 Chemical testing of hazardous substances in plastics / polymers / wood-based panels / textile and leather / food simulants using UV-VIS spectrophotometer (UV-VIS)

ISO 14184-1
2011-08 Textiles - Determination of formaldehyde - Part 1: Free and hydrolysed formaldehyde (water extraction method)

ISO 14184-2
2011-08 Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (Vapour absorption method)

ISO 17226-2
2008-05 +
Corrigendum 1
2009-04 Leather - Chemical determination of formaldehyde content - Part 2: Method using colorimetric analysis

EN 717-3
1996-03 Wood-based panels - Determination of formaldehyde release - Part 3: Formaldehyde release by the flask method

GB/T 2912.1
2009-06 Textile - Determination of Formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)
(ISO 14184-1:1998, MOD)

the above test method is applied in connection with:

GB 18401 *National general safety technical*
2011-01 *code for textile products*

SNI 14184-1
2013 Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
(ISO 14184-1:1998, IDT)

ISO 17075-1
2017 Leather -- Chemical determination of chromium(VI) content in leather -- Part 1: Colorimetric method

BVL L 00-00-6
1995-01
Berichtigung
2002-12 Analysis of foodstuffs - Determination of primary aromatic amines in aqueous food simulants

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<p>BS EN 71-9 2005+A1 2007 DIN EN 71-9 2007-09</p>	<p>Safety of toys - Part 9: Organic chemical compounds - Requirements 4.2.2 Accessible liquids in toys - pH value (test in accordance with EN ISO 787-9) 4.3 Formaldehyde - 4.3.1 Accessible textile components of toys (test in accordance with EN ISO 14184-1) - 4.3.3 Accessible resin-bonded wood components of toys (Test in accordance with EN 717-3)</p>
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2.4 Chemical testing of organic hazardous substances in plastic, rubber / textile / leather / food simulants using high performance liquid chromatography - diode array detector (HPLC-DAD)

<p>BS EN 12868 1999 Incorporating Corrigendum No. 1</p>	<p>Child use and care articles – Methods for determining the release of N-Nitrosamines and N-nitrosatable substances from elastomer or rubber teats and soothers</p>
<p>ASU B 82.02.2 2004-06</p>	<p>Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction (taken from DIN EN 14362-1, December 2003)</p>
<p>ISO 17226-1 2008-05</p>	<p>Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography</p>
<p>DD CEN/TS 13130-27 2005-09</p>	<p>Materials and articles in contact with foodstuffs - Plastics substances subject to limitation – Part 27: Determination of 2,4,6-triamino-1,3,5,-triazine in food simulants</p>
<p>EN 71-12 2013-06 BS EN 71-12 2013-06 DIN EN 71-12 2013-07</p>	<p>Safety of toys Part 12: N-Nitrosamines and N-nitrosatable substances</p>
<p>CHM_HKG_WT_01.94E 2013-07</p>	<p>Determination of 2-Mercaptobenzothiazole (2-MBT) content in rubber material by HPLC-DAD (In-house method)</p>

GTP_Chem_CPS_25120C Determination of Bisphenol A content in Plastics
2017

2.5 Chemical testing of organic hazardous substances in plastic / textile / leather using high performance liquid chromatography - mass spectrometer. (HPLC-MS and HPLC MS/MS)

CHM_HKG_WT_01.87E Determination of Alkylphenoethoxylates by HPLC-DAD-MS
2013-07 (In house method)

DIN 54231 Textiles - Detection of disperse dyestuffs
2005-11

EN 71-10 Safety of toys. Organic chemical compounds. Sample preparation
2005 and extraction

Clause 6 Migration – Sampling and extraction

EN 71-11 Safety Of Toys - Part 11: Organic Chemical Compounds - Methods
2005 Of Analysis

Clause 5.5 Monomers and solvents (Only Bisphenol A)

2.6 Mechanical and chemical testing of heavy metal in coating / products intended to come into direct and prolonged contact with the skin / ceramic ware, silicate surface of glass, glass ceramic, vitreous enamel using inductively coupled plasma optical emission spectrometry (ICP-OES)

BS EN 12472/A1 Method for the simulation of wear and corrosion for the detection
2009-06 of nickel release from coated items

EN 1811 Reference test method for release of nickel from products intended
2011-03 to come into direct and prolonged contact with the skin

EN 1811 Reference test method for release of nickel from all post
2011+A1 assemblies which are inserted into pierced parts of the human body
2015 and articles intended to come into direct and prolonged contact with
skin

DIN EN 1811/AC Reference test method for release of nickel from all post assemblies
2012-10 which are inserted into pierced parts of the human body and articles
intended to come into direct and prolonged contact with skin

PD CR 12471 Screening tests for nickel release from alloys and coatings in items
2002-08 that come into direct and prolonged contact with the skin

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ISO 6486-1 1999	Ceramic ware, glass-ceramic ware and glass dinnerware in contact with food - Release of lead and cadmium - Part 1: Test method
ISO 6486-2 1999	Ceramic ware, glass-ceramic ware and glass dinnerware in contact with food - Release of lead and cadmium - Part 2: Permissible limits
BS EN 1388-1 1996-07 DIN EN 1388-1 1995-11	Silicate surfaces in contact with foodstuffs Determination of the release of lead and cadmium from ceramic ware (in additional for elements: Barium, Cobalt, Antimony and Zinc)
BS EN 1388-2 1996-07 DIN EN 1388-2 1995-11	Silicate surfaces in contact with foodstuffs Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware (in additional for elements: Barium, Cobalt, Antimony and Zinc)
ASTM C 927 - 80 1980 (Reapproved 2004)	Standard Test Method for Lead and Cadmium Extracted from the Lip and Rim Area of Glass Tumblers Externally Decorated with Ceramic Glass Enamels

2.7 Chemical testing of liquid paints, printing ink and other coating materials / plastic in toys and fashion jewellery / drinking equipment / Materials used for manufacturing soothers / Ceramicware / textile, leather and footwear / finger print - using inductively coupled plasma mass spectrometry (ICP-MS) or inductively coupled plasma optical emission spectrometry (ICP-OES)

EN 71-3 2013+A2 2017 EN 71-3 2019	Safety of toys - Part 3: Migration of certain elements
ASTM F963-17 2017	Standard consumer safety specification for toy safety - Clause 4.3.5.1 Paint and similar surface-coating material - Clause 4.3.5.2 Toy Substrate Materials - Clause 8.3 Method to dissolve soluble matter
ASTM F 2923-14 2014	Standard Specification for Consumer Product Safety for Children's Jewellery
ISO 8124-3 2010-04 ISO 8124-3:2010 / Amd 2:2018	Safety of toys - Part 3: Migration of certain elements

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EN 1122 method B 2001-03 BS EN 1122 method B 2001-05 DIN EN 1122 method B 2002-02	Plastics - Determination of Cadmium - Wet decomposition Method
EN 14350-2 2004-08	Child use and care articles - Drinking equipment - Part 2: Chemical requirements and tests Clauses 4.4 and 5.2 only
BS EN 1400-3 2013-04+A1:2014	Child use and care articles - Soothers for babies and young children Part 3: Chemical requirements and tests Clause 10.3 only
BS EN 1400-3 2002-09	Child use and care articles - Soothers for babies and young children Part 3: Chemical requirements and tests Clause 4.4 and 5.2 only
US FDA Compliance Policy Guides Section 545.400	FDA CPG Section 545.400 Pottery (Ceramics); Import and Domestic - Cadmium Contamination
US FDA Compliance Policy Guides Section 545.450	FDA CPG Section 545.450 Pottery (Ceramics); Import and Domestic - Lead Contamination
EN ISO 17072-2 2011	Leather - Chemical determination of metal content -- Part 2: Total metal content
BS EN 71-7 2014-04 EN 71-7 2014-06 EN 71-7 2014 + A2 2018	Safety of toys - Part 7: Finger paints - Requirements and test methods 4.4 Migration of certain elements 4.7 pH-value 4.9 N-Nitrosamines 5 Product Information
CHM_HKG_WT_01.81E 2010-03	Determination of Total Lead, Cadmium, Chromium, Mercury, Arsenic, Antimony, Selenium and Barium in Paints and Similar Materials by ICP-OES and AAS

in connection with:

*HR 4040
2008-08*

*Consumer Product Safety Improvement
Act of 2008 (CPSIA - US Public Law)*

*US 16 CFR Part 1303
2000-01*

*Commercial Practices Chapter II -
Consumer Product Safety Commission
Part 1303 - Ban of lead-containing paint
and certain consumer products bearing
lead-containing paint*

CHM_HKG_WT_01.81E
2013-06

Determination of total lead, cadmium, chromium, mercury,
arsenic, antimony, selenium and barium in paints and similar
materials

the above 2 test methods are applied in connection with:

*US 16 CFR Part 1303
2000-01*

*Commercial Practices Chapter II -
Consumer Product Safety
Commission - Part 1303: Ban of
lead-containing paint and certain
consumer products bearing lead-
containing paint*

2.8 pH value of aqueous extracts from textile and leather by pH meter

ISO 3071
2005-06
EN ISO 3071
2006-03
BS EN ISO 3071
2006-03
DIN EN ISO 3071
2006-05

Textile - Determination of pH of aqueous extract

ISO 4045
2008-02

Leather - Chemical tests - Determination of pH

GB/T 7573
2009-06

Textile - Determination of pH of aqueous extract (ISO 3071:2005,
MOD)

2.9 Heavy metal in paint Layers and similar coatings or in Substrates and Homogenous Materials by X-ray Fluorescence Spectrometer (XRF)

ASTM F 2853
2010

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
2010 (E2011)

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

2.10 Determination of moisture / overall migration / VOC in wood / plastic food ware / silicone elastomers by gravimetric method

BS EN 1186-3
2002-04

Materials and articles in contact with foodstuffs – Plastics – Part 3: Test methods for overall migration into aqueous food simulants by total immersion

BS EN 1186-5
2002
EN 1186-5
2002

Materials and articles in contact with foodstuffs - Plastics - Part 5: Test methods for overall migration into aqueous food stimulants by cell

BS EN 1186-9
2002-04

Materials and articles in contact with foodstuffs - Plastics - Part 9: Test methods for overall migration into aqueous food simulants by article filling

BS EN 1186-14
2002-09

Materials and articles in contact with foodstuffs - Plastics - Part 14: Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95% ethanol

The above three standard applied in connection with:

*EN 1186-1
2002-07*

Materials and articles in contact with foodstuff- Plastics - Part 1: Guide to the selection of conditions and test methods for overall migration

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EN 322 1993-02	Wood-based panels - Determination of moisture content
Bundesgesundheitsblatt Determinations of plastics for food contact 1971	Volatile organic Compound in styrene containing polymer
Bundesgesundheitsblatt 2003-05	Determination of volatile compounds Determination of plastics for food contact
Metals and alloys used in food contact materials and articles - Practical guide for manufacturers and regulators (1 st Edition) 2013	Metals and alloys used in food contact materials and articles - Practical guide for manufacturers and regulators (1 st Edition) Chapter 1 - General provisions and specific release limits (SRLs) for metal Chapter 3 - Analytical methods for release testing of food contact materials and articles made from metals and alloys
Canada Consumer Product Safety Act Glaze Ceramic and Glassware Regulation (SOR/98-176)	Canada Consumer Product Safety Act Glaze Ceramic and Glassware Regulation (SOR/98-176) Test Method: ASTM C 927 – 80 (Reapproved 2004)

3 Determination of certain hazardous substances in electrical and electronic equipment for regulatory acceptance

IEC 62321 - Ed. 1 (IEC111/95/CDV) 2007-10	Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, poly-brominated biphenyls, polybrominated diphenyl ethers) (<i>here: only for cadmium</i>)
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IEC 62321 2008-12	Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, poly-brominated biphenyls, polybrominated diphenyl ethers)
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in connection with:

2011/65/EU

Directive 2011/65/EU of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

*2002/95/EC
2003-01*

*Restriction of the use of certain
hazardous
substances in electrical and
electronic
equipment Directive 2006/95/EC of
the
European Parliament and of the
Council of
27 January 2003*

*94/62/EC
1994-12*

*Packaging and packaging waste
Directive
94/62/EC of the European
Parliament
and of the Council of 20 December
1994*

IEC 62321-1 2013	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview
IEC 62321-2 2013	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disassembly, disjunction and mechanical sample preparation
IEC 62321-3-1 2013	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry
IEC 62321-4 2013	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV- AFS, ICP-OES and ICP-MS
IEC 62321-5 2013	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS
IEC 62321-6 2015-06	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography -mass spectrometry (GC-MS)

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IEC 62321-7-1
2015-09 Determination of certain substances in electrotechnical products -
Part 7-1: Hexavalent chromium - Presence of hexavalent chromium
(Cr(VI)) in colourless and coloured corrosion-protected coatings on
metals by the colorimetric method

IEC 62321-7-2
2017-03 Determination of certain substances in electrotechnical products -
Part 7-2: Hexavalent chromium - Determination of hexavalent
chromium (Cr(VI)) in polymers and electronics by the colorimetric
method

Abbreviations used:

AATCC	American Association of Textile Chemists and Colorists
ABNT NBR	Associação Brasileira de Normas Técnicas Normas Brasileira (Brazilian Association of technical standards) Brazilian standards
ASTM	American Society for Testing and Materials
AS/ NZS	Australian/New Zealand standard
ASU	Official collection of analysis methods according to §64 LFGB
BS	British Standard
Bundesgesundheitsblatt	German Health Technical Note
CFR	Code of Federal Regulation
CHM HKG WT	in-house test method of TÜV SÜD Hong Kong
GB	Guo Biao (Chinese National Standard)
LFGB (BVL)	German Food and Feed Code - Federal Office for Consumer Protection and Food Safety
IEC	International Electrotechnical Commission
JIS	Japanese Industrial Standards
NM	Mercosur Standard (Brazilian standard)
PD CR	Published document
SNI	Standar Nasional Indonesia (Indonesian National Standard)
VDE	Verein der Elektrotechnik, Elektronik Informationstechnik e.V. Association for Electrical, Electronic & Information Technologies
Woolmark TM	The Woolmark company Test method