



No. 086

Guangzhou Worldwide Standards and Testing Co. Ltd.
廣州環宇標準及檢測技術有限公司

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CLIENTELE : Public
服務對象 : 公眾

ACCREDITED TEST CATEGORIES : Toys and Children's Products 玩具及兒童產品
認可測試類別

SCOPE OF ACCREDITATION : As shown on the following pages 詳見後頁
認可範圍

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TEST CATEGORY 測試類別	ITEMS, MATERIALS OR PRODUCTS TESTED 測試項目、材料或產品	SPECIFIC TESTS OR PROPERTIES MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
TOYS and CHILDREN'S PRODUCTS 玩具及兒童產品	All toys All toys (PVC materials) All toys Coating materials All toys Ceramicware and ceramic toy components Coloured toys Fabric and paper materials Modeling clay and finger paint Plastic Plastic and metallic materials	Chemical tests :- - DEHP - DEHP - Heavy metals - Heavy metals - Migration of elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead - Leachable lead and cadmium - Colour fastness tests - Migration of elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead - Heavy metals - Migration of elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead - Heavy metals - Cadmium - Migration of elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead - Heavy metals	ASTM F963-07 (e1) 4.3.8 ASTM F963-03 4.3.8 ASTM D3421-75 with modifications In-house method SRS 046 ASTM F963-07 (e1) 4.3.5 In-house method GTC/TPM/CHM/042 ASTM F963-03 4.3.5 In-house method GTC/TPM/CHM/009 US 16 CFR 1303 In-house method SRS 012 In-house method GTC/TPM/CHM/016 AS/NZS ISO 8124.3: 2000 BS 5665: Part 3: 1995 with Amendment No. 1 EN 71-3: 1994 + A1: 2000 ISO 8124-3: 1997 ASTM F963-07 (e1) 4.3.3.2 ASTM F963-03 4.3.3.2 US FDA Compliance Policy Guide 7117.06 (1995) & 7117.07 (1995) AOAC 973.32 (1990) DIN 53160 - 1974 In-house method SRS 047 In-house method GTC/TPM/CHM/023 In house method SRS 052 In-house method GTC/TPM/CHM/024 BS EN 1122: 2001 method B (wet decomposition) EN 1122: 2001 method B (wet decomposition) In house method SRS 044 In-house method GTC/TPM/CHM/022

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) Safety requirements : - Material quality - Sound producing toys - Small objects - Accessible edges - Projections - Accessible points - Wires or rods - Nails and fasteners - Packaging film - Folding mechanisms & hinges - Cords, straps and elastics - Stability and over-load requirements - Confined spaces - Wheels, tires & axles - Holes, clearance and accessibility of Mechanisms - Simulated protective devices - Projectile toys - Teethers and teething toys - Rattles - Squeeze toys - Toys intended to be attached to a crib or Playpen - Stuffed and beanbag-type toys - Stroller and carriage toys - Toy gun marking - Balloons - Certain toys with spherical ends - Marbles - Balls - Pompoms - Hemispheric-shaped objects	ASTM F963-07 (e1) 4.1 <Excluding the following> toxicology test of reprocessed material to 4.3.1 4.5 <Excluding the following> 4.5.5 4.6 4.7 4.8 4.9 4.10 4.11 4.12 < Excluding the following > Checking of the area for the sheeting to be perforated with defines holes 4.13 4.14 < Excluding the following > 4.14.1.1 and 4.14.4 4.15 < Excluding the following > 4.15.6 4.16 4.17 4.18 4.19 4.21 4.22 4.23 4.24 4.26 4.28 4.29 4.31 4.32 4.33 4.34 4.35 4.36 4.37 < Excluding the following > 4.37.6(e)

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) - Labeling requirements - Instructional literature - Producer's markings Test methods : - Normal use testing - Abuse testing - Impact tests - Torque tests for removal of components - Tension test for removal of components - Compression test - Tests for tire removal and snap-in wheel and axle assembly removal - Flexure test - Test for Mouth-Actuated Toys - Projectiles - Test for pompoms - Tests for toys which produce noise - Packaging film thickness - Test for loops and cords	ASTM F963-07 (e1) 5 6 7 8.5 <i>< Excluding the following ></i> 8.5.1 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.15 8.17 8.20 (with modification by using sound level meter complying with the specifications of IEC 60651 and IEC 60804) 8.22 8.23 <i>< Excluding the following ></i> 8.23.2 and 8.23.3

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) General requirements: - Material - Assembly - Flexible plastic sheeting - Toy bags - Glass - Expanding materials - Edges - Points and wires - Protruding parts - Parts moving against each other - Mouth actuated toys - Balloons - Enclosures - Heavy immobile toys - Projectiles - Aquatic toys - Percussion caps specifically designed for use in toys - Acoustics - Toys containing a heat source - Small balls Toys intended for children under 36 months: - General requirements - Filling materials - Adhesion of plastic sheeting - Cords on toys - Liquid filled toys - Glass and porcelain - Shape and size of certain toys - Toys comprising monofilament fibres - Small balls - Play figures - Hemispheric shaped toys - Suction cups	BS EN 71-1: 2001 with Amendment Nos. 1, 2, 3 and 4 DIN EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 NF EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 4.10 < Excluding the following > 4.10.1 4.11 4.12 4.14 < Excluding the following > 4.14.1c 4.16 4.17 4.18 4.19 4.20 <Excluding the following> Push and pull toys; Toys with earphones or headphones 4.21 4.22 5.1 5.2 5.3 5.4 5.5 5.8 5.9 5.10 5.11 5.12 5.13 5.14

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) - Packaging - Warning and instructions for use Test methods: - General requirements for testing - Small parts cylinder - Torque test - Tension test - Drop test - Tip over test - Impact test - Compression test - Soaking test - Accessibility of a part or component - Sharpness of edges - Sharpness of points - Flexibility of wires - Expanding materials - Leakage of liquid filled toys - Geometric form of certain toys - Durability of mouth actuated toys - Cord thickness - Determination of kinetic energy - Plastic sheeting - Borosilicate glass - Openings in climbing frames and similar toys - Determination of emission sound pressure level - Measurement of temperature rises - Small balls and suction cups tests - Test for play figures	BS EN 71-1: 2001 with Amendment Nos. 1, 2, 3 and 4 DIN EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 NF EN 71-1: 1998 + A1 + A2 + A4 + A5+ A6 + A7 + A8 + A9 + A10 + A11 6 7 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14 8.15 8.16 8.17 8.20 8.25 8.26 8.27 8.28 8.31 <Excluding the following> Push and pull toys; Toys with earphones or headphones 8.33 8.35 8.36

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) General requirements: - Material - Assembly - Flexible plastic sheeting - Toy bags - Glass - Expanding materials - Edges - Points and wires - Protruding parts - Parts moving against each other - Mouth-actuated toys - Balloons - Enclosures - Toys intended to bear the mass of a child - Heavy immobile toys - Projectiles - Aquatic toys - Percussion caps specifically designed for use in toys - Acoustics - Toys containing a heat source - Small balls Toys intended for children under 36 months: - General requirements - Filling materials - Plastic sheeting - Cords on toys - Liquid-filled toys - Glass and porcelain - Shape and size of certain toys - Toys comprising monofilament fibres - Small balls - Play figures - Hemispheric-shaped toys - Suction cups	BS EN 71-1: 2005 with AMD 16241 and AMD 17220 EN 71-1: 2005 + A4 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 4.10 4.11 4.12 4.14 < <i>Excluding the following</i> > 4.14.1c 4.15 < <i>Excluding the following</i> > 4.15.1.3, 4.15.1.5, 4.15.1.6, 4.15.2, 4.15.3, 4.15.4 and 4.15.5 4.16 4.17 4.18 4.19 4.20 < <i>Excluding the following</i> > Push and pull toys; Toys with earphones or headphones 4.21 4.22 5.1 5.2 5.3 5.4 5.5 5.7 5.8 5.9 5.10 5.11 5.12 5.13

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) - Packaging - Warning and instructions for use Test methods: - General requirements for testing - Small parts cylinder - Torque test - Tension test - Drop test - Tip over test - Impact test - Compression test - Soaking test - Accessibility of a part or component - Sharpness of edges - Sharpness of points - Flexibility of wires - Expanding materials - Leakage of liquid-filled toys - Geometric form of certain toys - Durability of mouth-actuated toys - Folding or sliding mechanisms - Cord thickness - Static strength - Stability - Determination of kinetic energy - Plastic sheeting - Determination of emission sound pressure levels - Measurement of temperature rises - Small balls and suction cups tests - Test for play figures - Graphical symbol for age warning labelling	BS EN 71-1: 2005 with AMD 16241 and AMD 17220 EN 71-1: 2005 + A4 6 7 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14 8.15 8.16 8.17 8.18 8.20 8.21 8.23 8.24 8.25 8.28 (with modification by using sound level meter complying with the specifications of IEC 60651 and IEC 60804) <i><Excluding the following></i> Push and pull toys; Toys with earphones or headphones 8.30 8.32 8.33 EN 71-6: 1994

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) Requirements: - Normal use - Reasonably foreseeable abuse - Material - Small parts - Shape, size and strength of certain toys - Edges - Points - Projections - Metal wires and rods - Plastic film or plastic bags in packaging and in toys - Cords and elastics - Folding mechanisms - Holes, clearances and accessibility of mechanisms - Springs - Stability and overload requirements - Enclosures - Simulated protective equipment - Projectile toys - Aquatic toys - Toy bicycles - Speed limitation of electrically driven ride-on toys - Toys containing a heat source - Liquid-filled toys - Mouth-actuated toys - Toy roller skates and toy skateboards - Percussion caps Test methods: - General - Small parts test - Test for shape and size of certain toys - Small balls test - Test for pompoms - Test for preschool play figures - Accessibility of a part or component - Sharp edge test - Sharp point test	AS/NZS ISO 8124.1: 2002 ISO 8124-1: 2000 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 4.10 4.11 <Excluding the following> 4.11.7 4.12 <Excluding the following> 4.12.1 4.13 4.14 4.15 4.16 <Excluding the following> 4.16.2.2 4.17 4.18 4.19 4.21 4.22 4.23 4.24 4.25 4.26 4.27 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9

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TOYS and CHILDREN'S PRODUCTS (cont'd) 玩具及兒童產品 (續上)	All toys (cont'd)	Physical and mechanical tests :- (cont'd) Test methods: - Determination of thickness of plastic film and sheeting - Test for cords - Stability and overload tests - Test for closures and toy chest lids - Impact test for toys that cover the face - Kinetic energy of projectiles, bows and arrows - Determination of speed of electrically driven ride-on toys - Determination of temperature increases - Leakage of liquid-filled toys - Durability of mouth-actuated toys - Expanding materials - Folding or sliding mechanisms - Washable toys - Reasonably foreseeable abuse tests - Safety labelling guidelines and manufacturer's markings - Acoustics	AS/NZS ISO 8124.1: 2002 ISO 8124-1: 2000 5.10 5.11 5.12 5.13 <i><Excluding the following></i> 5.13.2.2 5.14 5.15 5.17 5.18 5.19 5.20 5.21 5.22 <i><Excluding the following></i> 5.22.2 5.23 5.24 <i><Excluding the following></i> 5.24.4 Annex C (for information only) Annex F (for information only) <i><Excluding the following></i> Push and pull toys; Toys with earphones or headphones