



Application No.

GQTS/W201612009

Recapiti

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Test Report

Company Name: Qiaoqiao industrial Co., Ltd

Company Address: Bali industrial Park, Qiaoxia, Yongjia,
Wenzhou, China

Product Name: Children rocking horse

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1 1. General Information

1.1 Client Information

Applicant: Qiaoqiao industrial Co., Ltd

Address of Applicant: Bali industrial Park, Qiaoxia, Yongjia, Wenzhou, China

1.2 General Description of Product

E.U.T. Name: Children rocking horse

Test Item No.: QQ-928

1.3 Standards Applicable for Testing

EN 71-1:2014, EN 71-2:2011+A1:2014, EN 71-3:2013+A1:2014

1.4 Test Location

Wenzhou Institute of Calibration and Testing for Quality and Technical Supervision

1.5 Test Result

PASS

Test report date: 12/01/2017

Sample received date: 27/12/2016

Period of testing: 27/12/2016-12/01/2017

Tested by:

Yvette Way

Approved by:

Jet Sheng

Date of Issue:

2017-01-12

2 Test

2.1 Mechanical and Physical Properties

We have tested the sample(s) submitted as requested according to the European standard:
EN 71-1:2014

Test Results:

Clause	Requirement-Test	Result	Verdict
4.1	Material	---	PASS
	Toys and material used in toys shall be clean and free from infestation which is assessed visually by the unaided eye.	Clean	PASS
4.2	Assembly		N/A
	Toys intended to be assembled shall be accompanied by detailed assembly instructions.		N/A
4.3	Flexible plastic sheeting		N/A
	The toys with flexible plastic sheeting shall conform to the following requirements:		N/A
a)	Sheeting without any backing and of an area greater than 100mm*100mm when tested according to 8.26.1(plastic sheeting, thickness) shall have an average thickness of 0.038mm or more.		N/A
b)	Sheets with an average thickness of less than 0.038mm and of an area greater than 100mm*100mm shall be perforated with defined holes.	---	N/A
c)	For plastic balloon the requirements in item a) apply to double layers of plastic sheeting	---	N/A
4.4	Toy bags	---	N/A
	Toy with an opening perimeter greater than 380mm having a drawstring shall either:	---	---
a)	Be made of material permeable to air, or	---	N/A
b)	Comply with the requirements given in 4.14.2a)	---	N/A
4.5	Glass	---	N/A
	Accessible glass may be used in the construction of toys for children over 36 months where:	---	---
a)	Its use is necessary to the function of the toy(e.g. optical toys, glass light bulbs, glass in experimental sets).	---	N/A

Clause	Requirement-Test	Result	Verdict
b)	It is textile glass used for reinforcement.	---	N/A
c)	It is in the form of solid glass marbles or solid glass eyes for dolls.	---	N/A
d)	other glass elements do not expose accessible hazardous sharp edges or hazardous sharp points after 8.5 and 8.7 test.	---	N/A
4.6	Expanding materials Toys and components of toys made of expanding materials, which fit entirely in the small parts cylinder, shall not expand more than 50% in any dimension when tested.	---	N/A
4.7	Edges Accessible edges shall not present an unreasonable risk of injury.	No accessible sharp Plastic and other components edges have been founded after visual examination.	PASS
a)	Edges of metal or glass on toys are considered as potentially hazardous sharp edges if they are sharp.	No glass on toys.	N/A
b)	In overlap joints, when the clearance between the sheet metal having a thickness of 0.5mm maximum and the underlying surface is greater than 0.7mm, the edge of the sheet metal shall conform to item a).	No this situation	N/A
c)	Edges of metal (including fastenings, e.g. screw heads) and of rigid polymeric material shall be free from burr capable of causing wound or abrasion.	N/A	N/A
d)	Where it is essential for the functioning of the toy, sharp edges may be used in toys intended for children over 36 months.	---	N/A
4.8	Point and metallic wires Metallic wires and accessible points shall not present an unreasonable risk of injury.	---	PASS
a)	Points on toys are considered as potentially hazardous sharp points if they are sharp as determined acc.to the test (sharpness of points).	---	PASS
b)	Where it is essential for the functioning of the toy, sharp points may be used in toys intended for children over 36 months.	---	N/A

Clause	Requirement-Test	Result	Verdict
c)	Metallic wires and other metallic components to be bent shall not break and produce hazardous sharp points, or protrude through any surface.	---	N/A
d)	Metallic wires not designed to be bent but are likely to be bent during play shall not break and produce hazardous sharp points or protrude through any surface.	---	N/A
4.9	Protruding parts	---	N/A
	Tubes and rigid components in the form of projections which constitute a puncture hazard to a child shall be protected.	No this situation	N/A
	The end of spokes on toy umbrellas shall be protected.	---	N/A
4.10	Parts moving against each other	---	N/A
4.10.1	Folding and sliding mechanism	---	N/A
	The requirements in 4.10.1 do not apply to toys with a potential sitting surface width of less than 140mm.	---	---
	Toys with folding and sliding mechanisms shall conform to the following requirements:	---	---
a)	Toy pushchairs and perambulators, incorporating a handle or other structural member which can fold down over a child, shall have at least one main and one secondary locking device.	---	N/A
	At least one of the locking devices shall automatically engage when the toy is erected.	---	N/A
b)	Toy pushchairs and perambulators shall have at least a locking device or a safety stop, which may be manual in operation.	---	N/A
c)	Folding devices on other collapsible toys and which may have a scissor-like action shall have:	---	N/A
1)	A safety stop or locking device	---	N/A
2)	A minimum clearance of 12 mm between moving parts which constitute a scissor-like action	---	N/A
d)	Toys with folding or sliding mechanism intended to bear the mass of a child and capable of injuring fingers, shall be so constructed that the space between moving elements shall also allow a 12mm diameter rod to be inserted.	---	N/A
4.10.2	Driving mechanisms	---	N/A

Clause	Requirement-Test	Result	Verdict
	Driving mechanisms and winder keys shall conform to the following requirements.	---	---
a)	Driving mechanisms shall be enclosed that they don't expose sharp edges and points or present a hazard of crushing the part of body.	---	N/A
b)	Driving mechanisms within large and bulky toy shall be enclosed that they don't expose sharp edges and points or present a hazard of crushing the part of body.	---	N/A
c)	The space between the key or handle and the body of the toy shall allow a 12mm diameter rod to be inserted. Any holes in keys or handle shall be not more than 5mm diameter.	---	N/A
4.10.3	Hinges	---	N/A
	Toys having one or more hinges and with a space between the assembled edges along the hinge line, shall be so constructed that the space shall allow a 12mm diameter rod to be inserted.	---	N/A
4.10.4	Springs	---	N/A
a)	Spiral springs shall not be accessible if the gap between two consecutive spirals is greater than 3mm.	---	N/A
b)	Extension helical springs shall not accessible if the gap between two consecutive turns is greater than 3mm when the spring is subjected to a tensile force of 40N	---	N/A
c)	Compression helical springs shall not be accessible if the gap between two consecutive turns is greater than 3mm at rest and the spring can be subjected to a force of 40N.	---	N/A
4.11	Mouth-actuated toys	---	N/A
a)	Mouth-actuated toys and removable mouthpieces not fit entirely in the cylinder when tested according to 8.	---	N/A
b)	Mouthpieces of mouth-actuated toys, if detached when tested first according to 8.9 and then according to 8.3 and 8.4.2.1 shall not fit entirely in the cylinder when tested according to 8.2.	---	N/A

Clause	Requirement-Test	Result	Verdict
c)	Mouth-actuated toys which contain loose components shall not, when tested according to 8.17.2 release any objects that fit entirely in the cylinder when tested according to 8.2.	---	N/A
d)	Mouthpieces fitted to balloons shall conform to the requirements in items a) and b).	---	N/A
e)	Mouth-actuated projectile toys shall have a mouth piece which does not allow the intended projectiles to pass through when tested according to 8.17.1 and thereafter does not become detached when tested according to 8.3 and 8.4.2.1.	---	N/A
4.12	Balloon	---	N/A
	The packaging of latex balloons carry a warning	---	N/A
	The packaging of natural rubber latex balloons shall indicate that the balloons are made of natural rubber latex	---	N/A
4.13	Cords of toy kites and other flying toys	---	N/A
	Made of material with an electric resistance exceeding $100\text{ M}\Omega/\text{cm}$ of cord	---	N/A
	potential danger of flying a toy kite near overhead power lines and during thunderstorms shall be drawn to the attention of the user	---	N/A
4.14	Enclosures	---	N/A
4.14.1	Toys which a child can enter	---	N/A
a)	Any toys having a enclosure volume greater than 0.03m^3 and all internal dimension are 150 mm or more shall provide at least two ventilation holes, each 650mm^2 or more		N/A
	If a partition or bars are used to subdivide a continuous space, the ventilation area shall not be required		N/A
b)	For such toys, having a door, lid or similar device, it shall be possible to open the door, lid or similar device by a force of 50N maximum from the inside		N/A
c)	Toy chests with vertically opening hinged lid shall be provided with lid support mechanisms to prevent collapse or dropping of the lid	No this situation.	N/A

Clause	Requirement-Test	Result	Verdict
	The lid support mechanism shall comply with this requirement before and after being subjected to 7000 opening and closing cycles.	---	N/A
	The lid support mechanism shall not require adjustment	---	N/A
	Toy chests with vertically opening hinged lids shall be accompanied by instructions for proper assembly and maintenance	---	N/A
4.14.2	Masks and helmets	---	N/A
a)	Masks and helmets that fully enclose the head and which are made of impermeable material shall provide a total ventilation area of 1 300 mm ² or more through at least two holes at least 150 mm apart or through any equivalent single ventilation area	---	N/A
b)	All rigid materials that cover the face shall not expose hazardous sharp edges, hazardous sharp points or loose parts	---	N/A
c)	Toys that are imitations of protective masks and helmets shall carry a warning	---	N/A
4.15	Toys intended to bear the mass of a child	---	N/A
4.15.1	Toys propelled by the child or by other means	---	N/A
4.15.1.1	General	---	N/A
4.15.1.2	Warnings and instructions for use	---	N/A
4.15.1.3	Strength	---	N/A
4.15.1.4	Stability	---	N/A
4.15.1.5	Braking	---	N/A
4.15.1.6	Transmission and wheel arrangement	---	N/A
4.15.2	Free-wheeling toy bicycles	---	N/A
4.15.2.1	General	---	N/A
4.15.2.2	Instructions for use	---	N/A
4.15.2.3	Seat pillar minimum insertion mark	---	N/A
4.15.2.4	Braking requirements	---	N/A
4.15.3	Rocking horses and similar toys	---	N/A
a)	The bow rocker of any bow-mounted rocking horse or other rocking toy shall have a limit to its movement which shall at all times hold the user within the extreme of the bow. Compliance is checked by visual inspection.	---	N/A
b)	The toy shall not tip over when tested according to 8.23.1.	---	N/A
c)	Toys shall not collapse according to 8.21 (static strength).	---	N/A

Clause	Requirement-Test	Result	Verdict
d)	Toys that due to their construction, strength, design or other factors are not suitable for use by children of 36 months and over shall carry a warning	---	N/A
e)	Toys where the intended sitting surface is 600 mm or more above the ground, shall carry a warning	---	N/A
4.15.4	Toys not propelled by a child	---	N/A
a)	Toys not collapse when tested acc. to 8.21	---	N/A
b)	Toys not tip over when tested according to 8.23.1	---	N/A
c)	Toys intended to bear the mass of a child accompanied by instructions for use, assembly and maintenance instructions	---	N/A
d)	Toys not suitable for use by children of 36 months and over carry a warning	---	N/A
4.15.5	Toy scooters (see A.49)	---	N/A
4.15.5.1	General	---	N/A
4.15.5.2	Warnings and instructions for use	---	N/A
	carry a warning and an indication about the intended weight group	---	N/A
	Instructions for use and precautions	---	N/A
4.15.5.3	Strength	---	N/A
a)	Meet the requirement of 4.15.1.3	---	N/A
b)	When tested according to 8.27:	---	---
	- steering tubes shall not collapse	---	N/A
	- steering tubes shall not separate into two or more parts	---	N/A
	- locking devices shall not fail or disengage.	---	N/A
4.15.5.4	Adjustable and folding steering tubes	---	N/A
a)	To prevent sudden changes of height, steering tubes with adjustable height shall:	---	---
	- be adjustable with the use of a tool, or	---	N/A
	- have at least one main locking device and one secondary locking device of which at least one shall automatically be engaged when the height is adjusted.	---	N/A
b)	Steering tubes intended to be folded have a locking device on the folding mechanism	---	N/A
c)	The space between moving elements capable of injuring fingers, shall also allow a 12 mm rod to be inserted if it allows a 5 mm rod to be inserted.	---	N/A

Clause	Requirement-Test	Result	Verdict
d)	Accessible openings in moving elements capable of shearing a finger shall not allow the insertion of a 5 mm rod	---	N/A
4.15.5.5	Braking	---	N/A
	Toy scooters labelled as intended for children with a body mass of 20 kg or less not require a braking system	---	N/A
	Other toy scooters shall have at least one braking system	---	N/A
	When tested according to 8.26.3, the force required to hold the toy scooter on the inclined plane less than 50 N	---	N/A
4.15.5.6	Wheel size	---	N/A
	Diameter of the front wheel(s) on toy scooters 120 mm or greater	---	N/A
4.15.5.7	Protruding parts	---	N/A
	The handles on toy scooters shall have an end with a diameter of 40 mm or more	---	N/A
4.16	Heavy immobile toys	---	N/A
	Heavy immobile toys with a mass more than 4.5kg and intended to rest on the floor but not to bear the mass of a child, shall not tip over when tested acc. to stability.	---	N/A
4.17	Projectiles	---	N/A
4.17.1	General	---	N/A
4.17.2	Projectile toys without stored energy	---	N/A
4.17.3	Projectile toys with stored energy	---	N/A
4.17.4	Bows and arrows	---	N/A
a)	Points of arrows shall not be made of metal	---	N/A
b)	The maximum kinetic energy of arrows discharged from a bow not exceed the values given in 4.17.3 a) when tested according to 8.24.2	---	N/A
c)	Arrows whose maximum kinetic energy exceeds 0,08 J, when tested according to 8.24.2, shall conform to 4.17.3 b)	---	N/A
4.18	Aquatic toys		N/A
a)	All air-inflation inlets have stoppers permanently attached to the toy.		N/A
	stopper shall be capable of being pushed into the toy		N/A
	The stopper, if detached when tested according to 8.3 and 8.4.2.1 shall not fit entirely in the cylinder when tested according to 8.2		N/A

Clause	Requirement-Test	Result	Verdict
b)	The potential danger of using aquatic toys shall be drawn to the attention of the user	---	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps (see A.24) percussions caps not produce debris which could cause eye injuries, flames or glowing residues	---	N/A
	an indication regarding which make and model and a warning	---	N/A
	The packaging carry a warning	---	N/A
4.20	Acoustics	---	N/A
4.21	Toys containing a non-electrical heat source	---	N/A
4.22	Small balls	---	N/A
4.23	Magnets (see A.51)	---	N/A
4.23.1	General	---	N/A
4.23.2	Toys other than magnetic/electrical experimental sets	---	N/A
4.23.3	Magnetic/electrical experimental sets	---	N/A
5	Toys intended for children under 36 months	This is for children of over 36 months.	N/A
5.1	General requirements		P
a)	Toys and removable components of toys shall not fit entirely within the cylinder.		N/A
b)	Toys shall not produce any parts which fit entirely in the cylinder or exhibit accessible sharp edges or points. Toys with springs shall still conform to the requirements in 4.10.4(springs).		N/A
c)	Metal points and wires with a cross-section of 2mm or less and do not present a sharp point are considered to be potentially hazardous sharp points.	---	N/A
d)	Large and bulky toys shall be tested acc.to item b) above with the exclusion of drop test and with the inclusion of a test acc.to tip over test.	---	N/A
e)	Glued wooden toys and toys with glue on plastic decals shall be subjected to soaking test before being tested acc.to b) above.	---	N/A
	Flakes of paint that have come loose from painted toys are exempt from the test of small parts cylinder. Thick surface coatings such as varnish are not exempt.	---	N/A

Clause	Requirement-Test	Result	Verdict
f)	The surface and accessible edges of toys shall be free from splinters.	---	N/A
g)	The casing of toys intended for children too young to sit up unaided shall not crack which may be accepted if it manifestly does not create a hazard.	---	N/A
h)	For foam toys and toys containing accessible foam components when tested, clamps and test fixtures shall not damage the toy or component such as to affect the results.	---	N/A
5.2	Filling materials		N/A
a)	Soft filling materials not contain any hard or sharp contaminants		N/A
	Soft-filled toys containing small parts or with filling materials from which pieces can be bitten or torn thereby producing small parts, which fit entirely in the cylinder when tested according to 8.2 shall have a covering no possible to be insert the front part of probe A	---	N/A
5.3	Plastic sheeting		N/A
	Adhesion sheeting on toys which has an area greater than 100mm*100mm shall have an average thickness not less than 0.038mm		N/A
5.4	Cords on toys	---	N/A
5.5	Liquid-filled toys	---	N/A
5.6	Speed limitation of electrically driven toys	---	N/A
5.7	Glass and porcelain	---	N/A
	Not used in the construction of toys intended for children under 36 months	---	N/A
5.8	Shape and size of certain toys	---	N/A
	The shape and size of toys intended for children who are too young to sit up unaided shall conform to the requirements in a)and b)	---	N/A
a)	No part of the toy which has a mass of 0.5kg maximum shall be allowed to protrude past the base of the template A.	---	N/A
b)	No part of the toy which with nearly spherical or circular flared ends having a mass of 0.5kg maximum shall be allowed to protrude past the base of the template B	---	N/A
5.9	Toys comprising monofilament fibres	---	N/A
5.10	Small balls	---	N/A

Clause	Requirement-Test	Result	Verdict
a)	Toys not be small balls or contain removable small balls	---	N/A
b)	Small balls shall not become detached when tested according to 8.3, 8.4.2.1, 8.5, 8.7 and 8.8, and for glued wooden toys 8.9	---	N/A
5.11	Play figures	---	N/A
5.12	Hemispheric-shaped toys (see A.50)	---	N/A
5.13	Suction cups	---	N/A
6	Packaging		N/A
a)	Bags made of flexible plastics, with an opening perimeter greater than 380mm used for external or internal packaging, shall have an average sheet thickness of not less than 0.038mm.		N/A
b)	Bags made of flexible plastics with an opening perimeter greater than 380mm shall not have a draw-string or cord as a means of closing.		N/A
7	Warning and instructions for use	---	PASS
7.1	General	---	PASS
	For the European Union, please note that:	---	---
	---toys must be accompanied by warnings in order to reduce risks in their use as describe in the essential safety requirements in European Council Directive 88/378/EEC	For children over 3 years.	PASS
	---the manufacturer or his authorized representative or the importer into the community shall affix his name and/or mark and address on the toy or on the packaging together with CE marking		PASS
7.2	Toys not intended for children under 36 months	---	PASS
	Toys which are not intended for, but might be dangerous for, children under 36 months shall bear a warning.	Not suitable for children under three years old.	PASS
	The age warning shall be clearly legible at the point of sale of the product.		N/A
	The age warning shall appear either on the toy itself or on its retail packaging.	Complies	PASS
	The indication of the specific hazard may appear on a leaflet on a leaflet or in the instructions for use.		PASS
	The age warning may be substituted by a symbol as specified in EN71-6		PASS

Clause	Requirement-Test	Result	Verdict
7.3	Latex balloons	---	N/A
7.4	Aquatic toys (see 4.18 and A.23)	---	N/A
	The warning on the toy shall be visible, indelible and in a colour which contrasts with the body of the toy. The height of letters shall be 3 mm or more and the marking on inflatable toys shall be 100 mm or less from one of the air inflation inlets.	---	N/A
7.5	Functional toys	---	N/A
7.6	Hazardous sharp functional edges and points (see 4.7 and 4.8)	---	N/A
7.7	Projectiles	---	N/A
7.7.1	Toys with projectiles which are able to discharge an object other than that provided with the toy	---	N/A
7.7.2	Toys capable of discharging a projectile with a kinetic energy greater than 0,08 J	---	N/A
7.8	Imitation protective masks and helmets	---	N/A
7.9	Toy kites	---	N/A
7.10	Roller skates and toy skateboards	---	N/A
7.11	Toys intended to be strung across a cradle, cot, or perambulator	---	N/A
7.12	Liquid filled teether	---	N/A
7.13	Percussion caps specifically designed for use in toys	---	N/A
7.14	Acoustics	---	N/A
7.15	Toy bicycles	---	N/A
7.16	Toys not intended to bear the mass of a child	---	N/A
7.17	Toys comprising monofilament fibres	---	N/A
7.18	Toy scooters	---	N/A
7.19	Rocking horses and similar toys	---	PASS
7.20	Magnetic/electrical experimental sets	---	N/A
8	Test methods	---	---
8.1	General requirements for testing	---	---
8.2	Small parts cylinder (see 4.6, 4.11, 4.18, 4.23.2, 5.1, 5.2 and A.36)	---	N/A
8.3	Torque test (see 4.6, 4.11, 4.14.2, 4.18, 4.22, 4.23.2, 5.1, 5.10, 5.12 and 5.13)	---	N/A
8.4	Tension test (see A.37)	---	N/A
8.5	Drop test (see 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12 and 5.13)	---	N/A
8.6	Tip over test (see 4.10.2, 4.22, 5.1, 5.10 and 5.12)	---	N/A

Clause	Requirement-Test	Result	Verdict
8.7	Impact test (see 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13 and A.38)	---	N/A
8.8	Compression test (see 4.6, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13 and A.39)	---	N/A
8.9	Soaking test (see 4.11, 4.23.2, 5.1, 5.10 and 5.12)	---	N/A
8.10	Accessibility of a part or a part or component (see 4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.21, 5.1 and 5.7)	---	PASS
8.11	Sharpness of edges (see 4.5, 4.7, 4.9, 4.10.2, 4.14.2, 4.15.1.3 and 5.1)	---	PASS
8.12	Sharpness of points (see 4.5, 4.8, 4.10.2, 4.14.2, 4.15.1.3, 5.1 and A.40)	---	PASS
8.13	Flexibility of metallic wires (see 4.8 and A.41)	---	N/A
8.14	Expanding materials (see 4.6)	---	N/A
8.15	Leakage of liquid-filled toys (see 5.5 and A.42)	---	N/A
8.16	Geometric shape of certain toys (see 5.8, 5.11 and A.43)	---	N/A
8.17	Durability of mouth-actuated toys (see 4.11 and A.44)	---	N/A
8.18	Folding or sliding mechanisms (see 4.10.1 and A.45)	---	N/A
8.19	Electric resistivity of cords (see 4.13)	---	N/A
8.20	Cord thickness (see 5.4)	---	N/A
8.21	Static strength (see 4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4 and A.46)	---	N/A
8.22	Dynamic strength (see 4.15.1.3)	---	N/A
8.23	Stability		N/A
8.24	Determination of kinetic energy (see A.47)	---	N/A
8.25	Plastic sheeting		N/A
8.26	Brake performance	---	N/A
8.30.1	Brake performance for toys other than toy bicycles(see 4.15.1.5)	---	N/A
8.30.2	Brake performance for toy bicycles (see 4.15.2.4)	---	N/A
8.30.3	Brake performance for toys scooters (see 4.15.5.5)	---	N/A
8.27	Strength of toy scooter steering tubes (see 4.15.5.3)	---	N/A
8.28	Determination of emission sound pressure levels (see 4.20)	---	N/A
8.29	Determination of speed of electrically driven ride-on toys (see 5.6)	---	N/A

Clause	Requirement-Test	Result	Verdict
8.30	Measurement of temperature rises (see 4.21)	---	N/A
8.31	Toy chest lids (see 4.14.1 c)	---	N/A
8.32	Small balls and suction cups test (see 4.22, 5.10 and 5.13)	---	N/A
8.32.1	Small balls and suction cups	---	N/A
8.32.2	Small balls attached to a toy by a string	---	N/A
8.33	Test for play figures (see 5.11)	---	N/A
8.34	Tension test for magnets (see 4.23.2 and A.51)	---	N/A
8.35	Magnetic flux index (see 4.23.2)	---	N/A
Annex A	Background and rationale for this standard	---	---
Annex ZA	Clauses of this European Standard addressing essential requirements or other provisions of EU Directives.	---	---

NOTE 1: N/A= Not Applicable

2.2 Flammability of Toys

We have tested the sample(s) submitted as requested according to the European standard:
EN 71-2:2011+A1:2014.

Test Results:

Clause	Requirement-Test	Result	Verdict
4.1	General requirement	---	---
	The following materials shall not be used:	---	---
	- celluloid (cellulose nitrate)	Not used	PASS
	- materials with the same behaviour in fire as celluloid.	Not used	PASS
	- materials with a piled surface which may produce surface flash	Not used	PASS
	In addition, toys shall not contain flammable gases, highly flammable liquids, flammable liquids, flammable gels	Not contained	PASS
4.2	Toys to be worn on the head	---	N/A
4.2.2	Beards, moustaches, wigs etc., made from hair, pile or material with similar features which protrude more than or equal to 50 mm from the surface of the toy	---	N/A
4.2.3	Beards, moustaches, wigs etc. made from hair, pile or material with similar features which protrude less than 50 mm from the surface of the toy	---	N/A
4.2.4	Full or partial moulded head masks	---	N/A
4.2.5	Flowing elements of toys to be worn on the head	---	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play.	---	N/A
4.4	Toys intended to be entered by a child	---	N/A
4.5	Soft filled toys (animals and dolls, etc) with a piled or textile surface	---	N/A

2.3 Migration of Elements

We have tested the sample(s) submitted as requested according to the European standard: EN 71-3:2013+A1:2014.

2.3.1 Test Results:

Elements	Limit in scraped-off toy material(mg/kg)	Detection Limit [mg/kg]	Result(s) (mg/kg)		
			Yellow plastic	Green plastic	Red plastic
Soluble Aluminum	70000	10.0	<10.0	<10.0	<10.0
Soluble Antimony	560	5.0	<5.0	<5.0	<5.0
Soluble Arsenic	47	0.5	<0.5	<0.5	<0.5
Soluble Barium	18750	10.0	<10.0	<10.0	<10.0
Soluble Boron	15000	10.0	<10.0	<10.0	<10.0
Soluble Cadmium	17	0.5	<0.5	<0.5	<0.5
Soluble Chromium	-	0.2	<0.2	<0.2	<0.2
Soluble Chromium (III)	460	5.0	<5.0	<5.0	<5.0
Soluble Chromium (VI)	0.2	0.2	<0.2	<0.2	<0.2
Soluble Cobalt	130	1.0	<1.0	<1.0	<1.0
Soluble Copper	7700	10.0	<10.0	<10.0	<10.0
Soluble Lead	160	2.0	<2.0	<2.0	<2.0
Soluble Manganese	15000	10.0	20.0	<10.0	<10.0
Soluble Mercury	94	2.0	<2.0	<2.0	<2.0
Soluble Nickel	930	10.0	<10.0	<10.0	<10.0
Soluble Selenium	460	5.0	<5.0	<5.0	<5.0
Soluble Strontium	56000	10.0	<10.0	<10.0	<10.0
Soluble Tin	180000	10.0	<10.0	<10.0	<10.0
Organic Tin	12	10.0	-	-	-
Soluble Zinc	46000	10.0	<10.0	<10.0	<10.0
Sample weight between(0.01g)10mg and(0.1)mg			-	-	-
Conclusion			Pass		

Note: 1. limits are quoted from 2009/48/Ec and its amendments.

2. mg/kg = milligram per kilogram.

3 Sample photo

