



TEST REPORT

Reference No. : SZ2022090452-1E

Date : Oct. 19, 2022

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Client : Yongjia FeiQi Toy Co., Ltd

Address : Bali, Qiaoxia Town, Yongjia County, Wenzhou City, Zhejiang Province, China

The following merchandise was (were) submitted and identified by the client as:

Name of Product : Playground

Test Model : L-YLY10

Model May Cover : L-YLY01, L-YLY02, L-YLY03, L-YLY04, L-YLY05, L-YLY06, L-YLY07, L-YLY08, L-YLY09, L-YLY10, L-YLY11, L-YLY12, L-YLY13, L-YLY14, L-YLY15, L-YLY16, L-YLY17, L-YLY18, L-YLY19, L-YLY20, L-YLY21, L-YLY22, L-YLY23, L-YLY24, L-YLY25, L-YLY26, L-YLY27, L-YLY28, L-YLY29, L-YLY30, L-YLY31, L-YLY32, L-WLTK, L-TTQWL, L-XQCWL, L-PCWL, L-XQWL, L-TGWL, L-ZLWL, L-LSWL

Main Material: HDPE

Labeled Age Grading: 6+ months

Applicant's Specified Age Group for Testing : 6+ months


Age Grading for Test: 6+ months


Sample Received : Sep. 08, 2022

Test Period : Sep. 08, 2022 - Sep. 15, 2022

Test Specification and Conclusion:

Please refer to next page

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Test Request		Conclusion
1.	Mechanical and Physical Properties according to EN71 Part 1: 2014+A1:2018	PASS
2.	Flammability according to EN71 Part 2:2020	PASS
3.	Migration of certain elements according to European Directive 2009/48/EC and its subsequent amendments and EN 71-3:2019+A1:2021	PASS
4.	Safety of toys part 8: Activity toys for domestic use-EN71-8:2018	PASS
5.	Mechanical and Physical Properties according to BS EN71 Part 1: 2014+A1:2018, Toys (Safety) Regulations 2011	PASS
6.	Flammability according to BS EN71 Part 2:2020, Toys (Safety) Regulations 2011	PASS
7.	Migration of certain elements according to European Directive 2009/48/EC and its subsequent amendments and BS EN 71-3:2019+A1:2021, Toys (Safety) Regulations 2011	PASS
8.	Safety of toys part 8: Activity toys for domestic use- BS EN71-8:2018	PASS

***** To be continued *****

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TEST RESULTS:

1. European Standard-Safety of Toys: EN71 Part 1: 2014+A1:2018-Mechanical and Physical Properties

Test Items	Test Results
	1#
4.1 Material cleanliness	PASS
4.2 Assembly	PASS
4.3 Flexible plastic sheeting	N/A
4.4 Toy bags	N/A
4.5 Glass	N/A
4.6 Expanding materials	N/A
4.7 Edges	PASS
(a) Edges of metal or glass	N/A
(b) Overlap joints	N/A
(c) Edges of metal and of rigid polymeric material	PASS
(d) Functional edges	N/A
4.8 Points and wires	PASS
(a) Points	PASS
(b) Sharp functional points	N/A
(c) Metallic wires intended to be bent	N/A
(d) Metallic wires not designed to be bent	N/A
(e) Splinters on surfaces and accessible edges of toys	N/A
4.9 Protruding parts	N/A
4.10 Parts moving against each other	N/A
4.10.1 Folding and slide mechanism	N/A
4.10.2 Driving mechanisms	N/A
4.10.3 Hinges	N/A
4.10.4 Springs	N/A
4.11 Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12 Balloons	N/A
4.13 Cords of toy kites and other flying toys	N/A
4.14 Enclosures	N/A
4.14.1 Toys which a children can enter	N/A
4.14.2 Masks and helmets	N/A
4.15 Toys intended to bear the mass of a child	PASS

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4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	PASS
4.15.5	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles toys	N/A
4.17.1	General	N/A
4.17.2	All projectiles	N/A
4.17.3	Projectile toys with stored energy	N/A
4.17.4	Certain projectile toys without stored energy	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	PASS
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	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
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27	Flying toys	N/A

Test Items	Test Results
	1#
5. Toys intended for children under 36 months	
5.1 General requirements	PASS
(a) Toys and removable components of toys shall not, whatever their position fit entirely in the cylinder	PASS
(b) When tested toys shall not produce any parts which, whatever their position, fit entirely in the cylinder, or exhibit accessible hazardous sharp edges or accessible hazardous sharp points	PASS

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(c)	Metal points and wires with a cross section of 2 mm or less	N/A
(d)	Large and bulky toys	N/A
(e)	Glued wooden toys and toys with glued-on plastic decals	N/A
(f)	The casing of toys	N/A
(g)	For foam toys and toys containing accessible foam components	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
(a)	Hard and sharp contaminants	N/A
(b)	Soft-filled toys and soft-filled parts of a toy containing small parts	N/A
(c)	fibrous filling material	N/A
5.3	Plastic sheeting	N/A
5.4	Cord, chains and electrical cables in toys	N/A
5.4.1	General	N/A
5.4.2	Cords and chains in toys intended for children under 18 months	N/A
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.4	Fixed loops, tangled loops and nooses	N/A
5.4.5	Cords and chains on pull along toys	N/A
5.4.6	Electrical cables	N/A
5.4.7	Cross-sectional dimension of certain cords	N/A
5.4.8	Self-retracting cords	N/A
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	PASS
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A

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Test Items	Test Results
	1#
6. Packaging	N/A

Test Items	Test Results
	1#
7. Warnings, markings and instructions for use Tracking information [CE mark, importer / manufacturer mark (name, address), product identification]	Present
7.1 General	PASS
7.2 Toys not intended for children under 36 months	N/A
7.3 Latex balloons	N/A
7.4 Aquatic toys	N/A
7.5 Functional toys	N/A
7.6 Hazardous sharp functional edges and points	N/A
7.7 Projectiles toys	N/A
7.8 Imitation protective masks and helmets	N/A
7.9 Toy kites	N/A
7.10 Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.11 Toys intended to be strung across a cradle,cot,or perambulator	N/A
7.12 Liquid filled tethers	N/A
7.13 Percussion caps specifically designed for use in toys	N/A
7.14 Acoustics	N/A
7.15 Toys bicycle	N/A
7.16 Toys intended to bear the mass of a child	N/A
7.17 Toys comprising monofilament fibers	N/A
7.18 Toy scooters	N/A
7.19 Rocking horses and similar toys	N/A
7.20 Magnetic/electrical experimental sets	N/A
7.21 Toys with electrical cables exceeding 300mm in length	N/A
7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.23 Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24 Sledges with cords for pulling	N/A
7.25 Flying toys	N/A

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7.26	Improvised projectiles	N/A
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Remark: It is drawn to your attention that the product identification number, name and address of manufacturer and importer in EEC country together with CE-marking should appear as specified in Directive-2009/48/EC-Safety of toys.

2. European Standard-Safety of Toys: EN71 Part 2: 2020-Flammability

Test Items	Test Results
	1#
4.1 General Requirements	PASS
4.2 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	N/A

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3. Migration of certain elements

Test Method:

Extractable Chromium(VI): With reference to EN 71-3:2019+A1:2021, analysis was performed by IC-ICP-MS.

Extractable Chromium(III): With reference to EN 71-3:2019+A1:2021, calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Other Elements: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-MS.

Extractable Organic Tin: With reference to EN 71-3:2019+A1:2021, analysis was performed by GC-MS.

Test Item(s)	Unit	MDL	Result				Category III
			2#	3#	4#	5#	
Extractable Lead (Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	23
Extractable Antimony (Sb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	560
Extractable Arsenic (As)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	47
Extractable Barium (Ba)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	18750
Extractable Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	17
Extractable Chromium (III) (Cr)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	460
Extractable Chromium (VI)(Cr)	mg/kg	0.05	N.D.	N.D.	N.D.	N.D.	0.053
Extractable Mercury (Hg)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	94
Extractable Selenium (Se)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	460
Extractable Boron (B)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	15000
Extractable Cobalt (Co)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	130
Extractable Manganese (Mn)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	15000
Extractable Strontium (Sr)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	56000
Extractable Tin (Sn)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	180000
Extractable Zinc (Zn)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	46000
Extractable Copper (Cu)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	7700
Extractable Aluminum (Al)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	28130
Extractable Nickel (Ni)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	930
Extractable Organic Tin	mg/kg	0.02	N.D.	N.D.	N.D.	N.D.	12

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Test Item(s)	Unit	MDL	Result	Category III
			6#	
Extractable Lead (Pb)	mg/kg	10	N.D.	23
Extractable Antimony (Sb)	mg/kg	10	N.D.	560
Extractable Arsenic (As)	mg/kg	10	N.D.	47
Extractable Barium (Ba)	mg/kg	50	386	18750
Extractable Cadmium (Cd)	mg/kg	10	N.D.	17
Extractable Chromium (III) (Cr III)	mg/kg	5	N.D.	460
Extractable Chromium (VI)(Cr VI)	mg/kg	0.05	N.D.	0.053
Extractable Mercury (Hg)	mg/kg	10	N.D.	94
Extractable Selenium (Se)	mg/kg	10	N.D.	460
Extractable Boron (B)	mg/kg	50	N.D.	15000
Extractable Cobalt (Co)	mg/kg	10	N.D.	130
Extractable Manganese (Mn)	mg/kg	50	N.D.	15000
Extractable Strontium (Sr)	mg/kg	50	N.D.	56000
Extractable Tin (Sn)	mg/kg	5	7	180000
Extractable Zinc (Zn)	mg/kg	50	1433	46000
Extractable Copper (Cu)	mg/kg	50	N.D.	7700
Extractable Aluminum (Al)	mg/kg	50	51	28130
Extractable Nickel (Ni)	mg/kg	10	N.D.	930
Extractable Organic Tin	mg/kg	0.02	N.D.	12

***** To be continued *****

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Limited Value for migration of certain elements:

Test Item(s)	Unit	Limited Value*		
		Category I	Category II	Category III
Extractable Lead (Pb)	mg/kg	2.0	0.5	23
Extractable Antimony (Sb)	mg/kg	45	11.3	560
Extractable Arsenic (As)	mg/kg	3.8	0.9	47
Extractable Barium (Ba)	mg/kg	1500	375	18750
Extractable Cadmium (Cd)	mg/kg	1.3	0.3	17
Extractable Chromium (III) (Cr III)	mg/kg	37.5	9.4	460
Extractable Chromium (VI) (Cr VI)	mg/kg	0.02	0.005	0.053
Extractable Mercury (Hg)	mg/kg	7.5	1.9	94
Extractable Selenium (Se)	mg/kg	37.5	9.4	460
Extractable Boron (B)	mg/kg	1200	300	15000
Extractable Cobalt (Co)	mg/kg	10.5	2.6	130
Extractable Manganese (Mn)	mg/kg	1200	300	15000
Extractable Strontium (Sr)	mg/kg	4500	1125	56000
Extractable Tin (Sn)	mg/kg	15000	3750	180000
Extractable Zinc (Zn)	mg/kg	3750	938	46000
Extractable Copper (Cu)	mg/kg	622.5	156	7700
Extractable Aluminum (Al)	mg/kg	2250	560	28130
Extractable Nickel (Ni)	mg/kg	75	18.8	930
Extractable Organic Tin	mg/kg	0.9	0.2	12

Remark: * The Limited value is based on European Directive 2009/48/EC and its subsequent amendments and EN 71-3:2019+A1:2021.

Category I: Dry, brittle, powder-like or pliable materials

Category II: Liquid or sticky materials

Category III: Scrapped-off materials

***** To be continued *****

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4. EN71-8:2018 Safety of toys part 8: Activity toys for domestic use

Clause	Test Method/ Requirement	Rating								
4	Requirements									
4.1	General									
4.1.1	Assembly Activity toys shall be assembled using self-locking mechanisms which, to avoid unintentional disassembling due to dynamic forces during use, may include spring washers and/or self-locking nuts.	Pass								
4.1.2	Static strength Activity toys other than swings and paddling pools, when tested according to 6.3.2 (strength of activity toys other than swings and paddling pools), shall not collapse such that they do not continue to comply with the relevant requirements of EN 71-1.	Pass								
4.1.3	Maximum height When measured from the ground, there shall be no part of the activity toy where the child is able to climb, sit or stand above a height of 2 500 mm	Pass								
4.1.4	Corners and edges Exposed edges shall be rounded. Corners and exposed edges on moving parts shall have a minimum radius of 3 mm. This requirement does not apply to swing elements with a mass of 1 000 g or less, the corners and edges of which shall be rounded.	Pass								
4.1.5	Protruding parts Protruding parts such as bolt ends, threaded bolt ends and other protrusions shall be recessed or be protected in such a way that they do not constitute a hazard to users of the equipment. This requirement is applicable when protrusions are situated on accessible moving parts and in places where the user is running, sliding, climbing, sitting or lying down.	Pass								
4.1.6	Diameter of ropes and other means of suspension When measured according to 6.8 (diameter of ropes and other means of suspension), ropes and other means of suspension shall have the following diameters: <table><tr><td>Ropes fixed at both ends</td><td>diameter between 16 mm and 45 mm</td></tr><tr><td>Ropes used in climbing nets and ladders</td><td>diameter between 10 mm and 45 mm</td></tr><tr><td>Free-hanging ropes fixed at upper end</td><td>diameter between 25 mm and 45 mm</td></tr><tr><td>Means of suspension for swing elements</td><td>minimum diameter/width 10 mm</td></tr></table>	Ropes fixed at both ends	diameter between 16 mm and 45 mm	Ropes used in climbing nets and ladders	diameter between 10 mm and 45 mm	Free-hanging ropes fixed at upper end	diameter between 25 mm and 45 mm	Means of suspension for swing elements	minimum diameter/width 10 mm	N/A
Ropes fixed at both ends	diameter between 16 mm and 45 mm									
Ropes used in climbing nets and ladders	diameter between 10 mm and 45 mm									
Free-hanging ropes fixed at upper end	diameter between 25 mm and 45 mm									
Means of suspension for swing elements	minimum diameter/width 10 mm									
4.1.7	Water accumulation Except when intended for water play, all parts of activity toys should be designed so that they do not accumulate water which could produce drowning hazard.	Pass								

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Clause	Test Method/ Requirement	Rating
4.2	Barriers, handrails and ladders and similar means of access to activity toys	
4.2.1	Barriers and handrails preventing a child from falling down (see A.5)	Pass
4.2.2	Ladders and similar means of access to activity toys (see A.6)	N/A
4.3	Entrapment	
4.3.1	<p>Head and neck entrapment</p> <p>Activity toys shall be constructed so that any openings do not create head and neck entrapment hazards either by head first or feet first passage.</p> <p>Hazardous situations in which this type of entrapment can be encountered include the following:</p> <ul style="list-style-type: none"> — completely bound openings through which a user may slide feet first or head first; — partially bound or V-shaped openings; — other openings (e.g. shearing or moving openings). 	N/A
4.3.2	<p>Entrapment of clothing and hair</p> <ul style="list-style-type: none"> a) Slides, fireman's poles and roofs shall be constructed so that hazardous situations in which clothing or hair can be entrapped are not created. Such situations may be created by: <ul style="list-style-type: none"> 1) gaps or V-shaped openings in which parts of clothing can become entrapped while, or immediately before, the user is undergoing a forced movement; 2) protrusions; and 3) spindles/rotating parts. <p>When tested according to 6.6 (toggle test), entrapment of the toggle or chain shall not occur.</p> <p>Application of the toggle test, as described in 6.6, is restricted to the free space, as practical experience has shown that natural material and connections between different parts can vary over time.</p> <ul style="list-style-type: none"> b) Slides and fireman's poles shall be constructed so that openings located within the free space do not entrap the toggle or chain when tested according to 6.6 (toggle test). c) Roofs shall be constructed so that they do not entrap the toggle or chain when tested according to 6.6 (toggle test). d) Spindles and rotating parts shall have means 	Pass

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	of preventing entanglement of clothing or Hair.	
4.3.3	<p>Entrapment of feet</p> <p>The requirement in 4.3.3 does not apply to nets for climbing or walking, or net bridges.</p> <p>Surfaces intended for standing, running or walking shall not contain any gaps likely to cause foot or leg entrapment. There shall be no gaps greater than 30 mm measured in one direction</p>	Pass
4.3.4	<p>Entrapment of fingers</p> <p>The requirements in 4.3.4 do not apply to weather-induced dry cracks in solid wood. Activity toys shall be constructed so that hazardous situations in which entrapment can occur are not created.</p>	Pass
4.4	<p>Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws</p>	
4.4.1	<p>General</p> <p>Activity toys supplied with anchors which, according to the manufacturer's instructions, are intended to be permanently fixed (e.g. in concrete) when in use, shall not be subjected to stability tests.</p> <p>Activity toys supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions.</p>	N/A
4.4.2	<p>Stability of activity toys with a free height of fall of 600 mm or less</p> <p>Activity toys with a free height of fall of 600 mm or less shall not tip over when tested according to 6.2.1 (stability of activity toys with a free height of fall of 600 mm or less).</p>	N/A

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4.4.3	Stability of activity toys with a free height of fall of more than 600 mm Activity toys with a free height of fall of more than 600 mm shall not tip over when tested according to 6.2.2 (stability of activity toys with a free height of fall of more than 600 mm).	N/A
4.5	Slides	
4.5.1	General The requirements in 4.5 do not apply to declined planes, which meet the following requirements: — the free height of fall is less than 600 mm and the overall declination of the declined section is less than 30° from the horizontal; or — the free height of fall is less than 400 mm	Pass
4.5.2	Stability of slides Slides supplied with anchors and intended to be permanently fixed (e.g. in concrete) when in use according to the manufacturer's instructions, shall not be subjected to stability tests. Slides supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions. Slides not supplied with anchors shall be subjected to stability tests. Slides (excluding attachment slides) shall not tip over when tested according to 6.2.3 (stability of slides).	Pass
4.5.3	Retaining sides for slides	
	Retaining sides for slides shall comply with the following requirements a) for slides with a starting section height of more than 1 000 mm measured from the ground, the height (h) of the retaining sides shall be 100 mm or more;	N/A
	b) for slides with a starting section height of 1 000 mm or less measured from the ground, the height (h) of the retaining sides shall be 50 mm or more.	Pass
	c) Retaining sides are not required for the run-out section of slides. If the run-out section is equipped with retaining sides, the finishing end of the retaining side shall have a minimum radius of 10 mm	Pass
	Starting, sliding and run-out sections on slides Slides shall consist at least of a starting section, a sliding section and a run-out section. For attachment slides, a platform may be regarded as the starting section. The starting, sliding and run-out sections of slides shall comply with the following requirements	Pass
	a) the starting section for slides with a starting section height of less than 1 000 mm measured from the ground shall have at least the same width as the sliding section; a length of 150 mm or more; and an	Pass

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4.5.4	inclination of between 0° and 10° to te horizontal.									
	b) the starting section for slides with a starting section height of 1 000 mm or more measured from the ground shall have at least the same width as the sliding section; a length of 250 mm or more; and an inclination of between 0° and 10° to the horizontal.	N/A								
	c) the starting section of slides (excluding attachment slides) shall be provided with handrails in order to provide assistance to the child coming from the stair/ladder into the sitting position: 1) for slides with a starting section height less than 600 mm, the height of the handrail shall be 100 mm or more; 2) for slides with a starting section height of 600 mm or more but less than 1 000 mm, the height of the handrail shall be 150 mm or more; 3) for slides with a starting section height of 1 000 mm or more but less than 1 800 mm, the height of the handrail shall be 350 mm or more; 4) for slides with a starting section height of 1 800 mm or more, the height of the handrail shall be 500mm or more	Pass								
	d) the run-out section of the slide shall have a length of 150 mm or more. The inclination of the run-out section shall be between 0° and 10° to the horizontal, and the height of the end of the run-out section shall be 300 mm or less from the ground;	Pass								
	e) the finishing end of the run-out section shall have a minimum radius of 25 mm. This requirement does not apply to slides where the run-out section ends 50 mm or less from the ground;	Pass								
	f) the sliding section of the slide shall not exceed an angle of inclination of 60° to the horizontal at any point when measured according to 6.7.1	Pass								
	g) the minimum angle (α) along the sliding section and the run-out section shall not be less than the values given in Table 2, Table 2 — Minimum angle (α) along the sliding section and the run-out section in relation to the height of the starting section	Pass								
	<table><tr><th>Height of the starting section</th><th>Minimum angle (α) along the sliding section and the run-out section</th></tr><tr><td>Less than 600 mm</td><td>120°</td></tr><tr><td>600 mm or more but less than 1 000 mm</td><td>130°</td></tr><tr><td>1 000 mm or more but less than 1 800 mm</td><td>140°</td></tr><tr><td>1 800 mm or more</td><td>150°</td></tr></table>		Height of the starting section	Minimum angle (α) along the sliding section and the run-out section	Less than 600 mm	120°	600 mm or more but less than 1 000 mm	130°	1 000 mm or more but less than 1 800 mm	140°
Height of the starting section	Minimum angle (α) along the sliding section and the run-out section									
Less than 600 mm	120°									
600 mm or more but less than 1 000 mm	130°									
1 000 mm or more but less than 1 800 mm	140°									
1 800 mm or more	150°									
h) junction between sliding section and run-out section shall be a continuous curve;	Pass									

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	i) the finishing end of the retaining section shall have a minimum radius of 10 mm.	Pass
4.6	Swings	
4.6.1	Stability of swings and other activity toys with crossbeams	N/A
4.6.2	Static strength of crossbeams, swing devices and suspension connectors When tested according to 6.3.2 (strength of swings), structures and/or crossbeams shall not collapse and swing devices and suspension connectors shall not become deformed, so that the activity toy does not comply with relevant requirements of EN 71-1.	N/A
4.6.3	Swings intended for children under 36 months The seats of swings shall provide with a backrest and a safety device preventing the child from falling off the seat. If the seat is provided with a T-bar or a protective bar with a crotch strap, the horizontal section of the T-bar or the protective bar shall be situated between 200 mm and 300 mm above the seat,	N/A
4.6.4	Minimum clearance between adjacent swing elements, and adjacent structures The requirements in 4.6.4 do not apply to single swing elements in swings with a crossbeam height of 1 200 mm or less above the ground. The minimum clearances between adjacent swing elements and between swing elements and adjacent structures shall be as given in Table 2.	N/A
4.6.5	Lateral stability of swing elements The requirement in 4.6.5 does not apply to swings with rigid means of suspension. The minimum distance between the suspension points of a swing measured along the crossbeam shall be calculated as follows (see Figure 7): $A = 0,04 h + B$ where A is the distance between the suspension points along the crossbeam; B is the distance between the junction points of the swing element and the means of suspension; h is the distance from the ground to the lower side of the crossbeam	N/A

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4.6.6	<p>Minimum clearance between swing elements and the ground (see A.11)</p> <p>The minimum clearance between swing elements and the ground shall be as follows: swings with a crossbeam height of 1 200 mm or less : 200 mm;</p> <p>swings with a crossbeam height exceeding 1 200 mm: 350 mm.</p> <p>If a swing element has a footrest, the minimum clearance is measured between the footrest and the ground.</p> <p>If the clearance between the swing elements and ground is adjustable, the minimum clearance shall be mentioned in the assembly and installation instructions.</p> <p>For a flexible swing element, the fixture detailed in Figure 7 shall be used to simulate normal use</p>	N/A
4.6.7	<p>Suspension connectors and swing devices</p> <p>a) The suspension coupling(s) (see Figure 2, key 4) shall be prefixed to the means of suspension when supplied. This requirement does not apply to swings with rigid means of suspensions.</p> <p>b) Methods of attachment requiring knots are not permitted. Only:</p> <ol style="list-style-type: none"> 1) non disassembling systems, a forced disassembling causing the destruction of the product, and 2) inviolable systems, like weld or injection stop are permitted. <p>c) Suspension connectors shall be of a design that will prevent unintentional disconnection.</p>	N/A
4.6.8	Impact, geometry and design of swing elements	N/A
4.7	See-saws	
4.7.1	<p>Stability of see-saws</p> <p>The requirements in 4.7.1 do not apply to see-saws supplied with anchors that are intended to be permanently fixed (e.g. in concrete).</p> <p>See-saws supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions.</p> <p>When tested according to 6.2.5 (stability of see-saws), see-saws supplied with removable ground anchors and see-saws not supplied with anchors shall not tip over.</p>	N/A
4.7.2	<p>Seat/stand height</p> <p>The central point of the sitting or standing position of the see-saw shall not exceed a height of 1 200 mm. The sitting surface of the seats shall not swing out of the horizontal by more than 30°.</p>	N/A
4.7.3	<p>Restraint of motion</p> <p>For see-saws where the central point of the sitting or standing position can reach a height of 1 000 mm or more, each end of the see-saw shall be provided with dampening material on the part that touches the ground or have a dampening device incorporated in the centre of the see-saw.</p>	N/A

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4.7.4	Pinching and crushing of fingers and toes When one end of the beam is touching the ground, the space between the underside of the beam and its central pivot shall admit a 12 mm diameter rod.	N/A
4.7.5	Hand supports Each seating position shall be provided with one hand support at least.	N/A
4.8	Carousels and rocking activity toys The requirements in 4.8 do not apply to bow-mounted rocking horses and similar toys. Carousels, rocking activity toys and similar toys shall comply with the following requirements: a) when tested according to 6.2.1 (stability of activity toys with a free height of fall of 600 mm or less), activity toys shall not tip over; b) when tested according to 6.3.2 (strength of activity toys other than swings and paddling pools), activity toys shall not collapse; c) when measured from the ground and surface to any sitting or standing position, the free height of fall for carousels and rocking activity toys shall not exceed 600 mm.	N/A
4.9	Paddling pools	
4.9.1	Static strength of paddling pools with non-inflatable walls When tested according to 6.10 (static load test for paddling pools with non-inflatable walls), the structure shall not present any hazardous sharp edges or hazardous sharp points, or any small parts which fit entirely in the small parts cylinder specified in EN 71-1.	N/A
4.9.2	Paddling pools with inflatable walls All air-inflation inlets on paddling pools with inflatable walls shall comply with the requirements for inflatable toys specified in EN 71-1.	N/A
5	Warnings, markings, and instructions	
5.1	Warnings and markings	Pass
5.2	Assembly and installation instructions	Pass
5.3	Maintenance	Pass

5. British Standard- BS EN71 Part 1: 2014+A1:2018-Mechanical and Physical Properties, Toys (Safety) Regulations 2011

Test Items	Test Results
	1#
4.1 Material cleanliness	PASS
4.2 Assembly	PASS
4.3 Flexible plastic sheeting	N/A
4.4 Toy bags	N/A
4.5 Glass	N/A
4.6 Expanding materials	N/A

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4.7	Edges	PASS
(a)	Edges of metal or glass	N/A
(b)	Overlap joints	N/A
(c)	Edges of metal and of rigid polymeric material	PASS
(d)	Functional edges	N/A
4.8	Points and wires	PASS
(a)	Points	PASS
(b)	Sharp functional points	N/A
(c)	Metallic wires intended to be bent	N/A
(d)	Metallic wires not designed to be bent	N/A
(e)	Splinters on surfaces and accessible edges of toys	N/A
4.9	Protruding parts	N/A
4.10	Parts moving against each other	N/A
4.10.1	Folding and slide mechanism	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures	N/A
4.14.1	Toys which a children can enter	N/A
4.14.2	Masks and helmets	N/A
4.15	Toys intended to bear the mass of a child	PASS
4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	PASS
4.15.5	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles toys	N/A
4.17.1	General	N/A
4.17.2	All projectiles	N/A
4.17.3	Projectile toys with stored energy	N/A
4.17.4	Certain projectile toys without stored energy	N/A

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4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	PASS
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	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
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27	Flying toys	N/A

Test Items	Test Results
	1#
5. Toys intended for children under 36 months	
5.1 General requirements	PASS
(a) Toys and removable components of toys shall not, whatever their position fit entirely in the cylinder	PASS
(b) When tested toys shall not produce any parts which, whatever their position, fit entirely in the cylinder, or exhibit accessible hazardous sharp edges or accessible hazardous sharp points	PASS
(c) Metal points and wires with a cross section of 2 mm or less	N/A
(d) Large and bulky toys	N/A
(e) Glued wooden toys and toys with glued-on plastic decals	N/A
(f) The casing of toys	N/A
(g) For foam toys and toys containing accessible foam components	N/A
5.2 Soft-filled toys and soft-filled parts of a toy	N/A
(a) Hard and sharp contaminants	N/A
(b) Soft-filled toys and soft-filled parts of a toy containing small parts	N/A
(c) fibrous filling material	N/A
5.3 Plastic sheeting	N/A

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5.4	Cord, chains and electrical cables in toys	N/A
5.4.1	General	N/A
5.4.2	Cords and chains in toys intended for children under 18 months	N/A
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.4	Fixed loops, tangled loops and nooses	N/A
5.4.5	Cords and chains on pull along toys	N/A
5.4.6	Electrical cables	N/A
5.4.7	Cross-sectional dimension of certain cords	N/A
5.4.8	Self-retracting cords	N/A
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	PASS
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A

Test Items	Test Results
	1#
6. Packaging	N/A

Test Items	Test Results
	1#
7. Warnings, markings and instructions for use Tracking information [CE/UKCA mark, importer / manufacturer mark (name, address), product identification]	Present
7.1 General	PASS
7.2 Toys not intended for children under 36 months	N/A
7.3 Latex balloons	N/A

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7.4	Aquatic toys	N/A
7.5	Functional toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles toys	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.12	Toys intended to be strung across a cradle,cot,or perambulator	N/A
7.12	Liquid filled tethers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toys bicycle	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibers	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.22	Toys with electrical cables exceeding 300mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.23	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24	Sledges with cords for pulling	N/A
7.25	Flying toys	N/A
7.26	Improvised projectiles	N/A

Remark: It is drawn to your attention that the product identification number, name and address of manufacturer and importer in UK country together with CE/UKCA-marking should appear as specified in Toys (Safety) Regulations 2011

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6. British Standard-Safety of Toys: BS EN71 Part 2: 2020-Flammability Toys (Safety) Regulations 2011

Test Items	Test Results
	1#
4.1 General Requirements	PASS
4.2 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	N/A

***** To be continued *****

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7. Migration of certain elements

Test Method:

Extractable Chromium(VI): With reference to BS EN 71-3:2019+A1:2021, analysis was performed by IC-ICP-MS.

Extractable Chromium(III): With reference to BS EN 71-3:2019+A1:2021, calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Other Elements: With reference to BS EN 71-3:2019+A1:2021, analysis was performed by ICP-MS.

Extractable Organic Tin: With reference to BS EN 71-3:2019+A1:2021, analysis was performed by GC-MS.

Test Item(s)	Unit	MDL	Result				Category III
			2#	3#	4#	5#	
Extractable Lead (Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	23
Extractable Antimony (Sb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	560
Extractable Arsenic (As)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	47
Extractable Barium (Ba)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	18750
Extractable Cadmium (Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	17
Extractable Chromium (III) (Cr)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	460
Extractable Chromium (VI)(Cr)	mg/kg	0.05	N.D.	N.D.	N.D.	N.D.	0.053
Extractable Mercury (Hg)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	94
Extractable Selenium (Se)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	460
Extractable Boron (B)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	15000
Extractable Cobalt (Co)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	130
Extractable Manganese (Mn)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	15000
Extractable Strontium (Sr)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	56000
Extractable Tin (Sn)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	180000
Extractable Zinc (Zn)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	46000
Extractable Copper (Cu)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	7700
Extractable Aluminum (Al)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	28130
Extractable Nickel (Ni)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	930
Extractable Organic Tin	mg/kg	0.02	N.D.	N.D.	N.D.	N.D.	12

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Test Item(s)	Unit	MDL	Result	Category III
			6#	
Extractable Lead (Pb)	mg/kg	10	N.D.	23
Extractable Antimony (Sb)	mg/kg	10	N.D.	560
Extractable Arsenic (As)	mg/kg	10	N.D.	47
Extractable Barium (Ba)	mg/kg	50	386	18750
Extractable Cadmium (Cd)	mg/kg	10	N.D.	17
Extractable Chromium (III) (Cr III)	mg/kg	5	N.D.	460
Extractable Chromium (VI)(Cr VI)	mg/kg	0.05	N.D.	0.053
Extractable Mercury (Hg)	mg/kg	10	N.D.	94
Extractable Selenium (Se)	mg/kg	10	N.D.	460
Extractable Boron (B)	mg/kg	50	N.D.	15000
Extractable Cobalt (Co)	mg/kg	10	N.D.	130
Extractable Manganese (Mn)	mg/kg	50	N.D.	15000
Extractable Strontium (Sr)	mg/kg	50	N.D.	56000
Extractable Tin (Sn)	mg/kg	5	7	180000
Extractable Zinc (Zn)	mg/kg	50	1433	46000
Extractable Copper (Cu)	mg/kg	50	N.D.	7700
Extractable Aluminum (Al)	mg/kg	50	51	28130
Extractable Nickel (Ni)	mg/kg	10	N.D.	930
Extractable Organic Tin	mg/kg	0.02	N.D.	12

***** To be continued *****

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Limited Value for migration of certain elements:

Test Item(s)	Unit	Limited Value*		
		Category I	Category II	Category III
Extractable Lead (Pb)	mg/kg	2.0	0.5	23
Extractable Antimony (Sb)	mg/kg	45	11.3	560
Extractable Arsenic (As)	mg/kg	3.8	0.9	47
Extractable Barium (Ba)	mg/kg	1500	375	18750
Extractable Cadmium (Cd)	mg/kg	1.3	0.3	17
Extractable Chromium (III) (Cr III)	mg/kg	37.5	9.4	460
Extractable Chromium (VI) (Cr VI)	mg/kg	0.02	0.005	0.053
Extractable Mercury (Hg)	mg/kg	7.5	1.9	94
Extractable Selenium (Se)	mg/kg	37.5	9.4	460
Extractable Boron (B)	mg/kg	1200	300	15000
Extractable Cobalt (Co)	mg/kg	10.5	2.6	130
Extractable Manganese (Mn)	mg/kg	1200	300	15000
Extractable Strontium (Sr)	mg/kg	4500	1125	56000
Extractable Tin (Sn)	mg/kg	15000	3750	180000
Extractable Zinc (Zn)	mg/kg	3750	938	46000
Extractable Copper (Cu)	mg/kg	622.5	156	7700
Extractable Aluminum (Al)	mg/kg	2250	560	28130
Extractable Nickel (Ni)	mg/kg	75	18.8	930
Extractable Organic Tin	mg/kg	0.9	0.2	12

Remark: **The Limited value is based on European Directive 2009/48/EC and its subsequent amendments and BS EN 71-3:2019+A1:2021, Toys (Safety) Regulations 2011.

Category I: Dry, brittle, powder-like or pliable materials

Category II: Liquid or sticky materials

Category III: Scrapped-off materials

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8. BS EN71-8:2018 Safety of toys part 8: Activity toys for domestic use

Clause	Test Method/ Requirement	Rating								
4	Requirements									
4.1	General									
4.1.1	Assembly Activity toys shall be assembled using self-locking mechanisms which, to avoid unintentional disassembling due to dynamic forces during use, may include spring washers and/or self-locking nuts.	Pass								
4.1.2	Static strength Activity toys other than swings and paddling pools, when tested according to 6.3.2 (strength of activity toys other than swings and paddling pools), shall not collapse such that they do not continue to comply with the relevant requirements of EN 71-1.	Pass								
4.1.3	Maximum height When measured from the ground, there shall be no part of the activity toy where the child is able to climb, sit or stand above a height of 2 500 mm	Pass								
4.1.4	Corners and edges Exposed edges shall be rounded. Corners and exposed edges on moving parts shall have a minimum radius of 3 mm. This requirement does not apply to swing elements with a mass of 1 000 g or less, the corners and edges of which shall be rounded.	Pass								
4.1.5	Protruding parts Protruding parts such as bolt ends, threaded bolt ends and other protrusions shall be recessed or be protected in such a way that they do not constitute a hazard to users of the equipment. This requirement is applicable when protrusions are situated on accessible moving parts and in places where the user is running, sliding, climbing, sitting or lying down.	Pass								
4.1.6	Diameter of ropes and other means of suspension When measured according to 6.8 (diameter of ropes and other means of suspension), ropes and other means of suspension shall have the following diameters: <table><tr><td>Ropes fixed at both ends</td><td>diameter between 16 mm and 45 mm</td></tr><tr><td>Ropes used in climbing nets and ladders</td><td>diameter between 10 mm and 45 mm</td></tr><tr><td>Free-hanging ropes fixed at upper end</td><td>diameter between 25 mm and 45 mm</td></tr><tr><td>Means of suspension for swing elements</td><td>minimum diameter/width 10 mm</td></tr></table>	Ropes fixed at both ends	diameter between 16 mm and 45 mm	Ropes used in climbing nets and ladders	diameter between 10 mm and 45 mm	Free-hanging ropes fixed at upper end	diameter between 25 mm and 45 mm	Means of suspension for swing elements	minimum diameter/width 10 mm	N/A
Ropes fixed at both ends	diameter between 16 mm and 45 mm									
Ropes used in climbing nets and ladders	diameter between 10 mm and 45 mm									
Free-hanging ropes fixed at upper end	diameter between 25 mm and 45 mm									
Means of suspension for swing elements	minimum diameter/width 10 mm									
4.1.7	Water accumulation Except when intended for water play, all parts of activity toys should be designed so that they do not accumulate water which could produce drowning hazard.	Pass								

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Clause	Test Method/ Requirement	Rating
4.2	Barriers, handrails and ladders and similar means of access to activity toys	
4.2.1	Barriers and handrails preventing a child from falling down (see A.5)	Pass
4.2.2	Ladders and similar means of access to activity toys (see A.6)	N/A
4.3	Entrapment	
4.3.1	<p>Head and neck entrapment</p> <p>Activity toys shall be constructed so that any openings do not create head and neck entrapment hazards either by head first or feet first passage.</p> <p>Hazardous situations in which this type of entrapment can be encountered include the following:</p> <ul style="list-style-type: none"> — completely bound openings through which a user may slide feet first or head first; — partially bound or V-shaped openings; — other openings (e.g. shearing or moving openings). 	N/A
4.3.2	<p>Entrapment of clothing and hair</p> <ul style="list-style-type: none"> b) Slides, fireman's poles and roofs shall be constructed so that hazardous situations in which clothing or hair can be entrapped are not created. Such situations may be created by: <ul style="list-style-type: none"> 1) gaps or V-shaped openings in which parts of clothing can become entrapped while, or immediately before, the user is undergoing a forced movement; 2) protrusions; and 3) spindles/rotating parts. <p>When tested according to 6.6 (toggle test), entrapment of the toggle or chain shall not occur.</p> <p>Application of the toggle test, as described in 6.6, is restricted to the free space, as practical experience has shown that natural material and connections between different parts can vary over time.</p> <ul style="list-style-type: none"> e) Slides and fireman's poles shall be constructed so that openings located within the free space do not entrap the toggle or chain when tested according to 6.6 (toggle test). f) Roofs shall be constructed so that they do not entrap the toggle or chain when tested according to 6.6 (toggle test). g) Spindles and rotating parts shall have means 	Pass

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	of preventing entanglement of clothing or Hair.	
4.3.3	<p>Entrapment of feet</p> <p>The requirement in 4.3.3 does not apply to nets for climbing or walking, or net bridges.</p> <p>Surfaces intended for standing, running or walking shall not contain any gaps likely to cause foot or leg entrapment. There shall be no gaps greater than 30 mm measured in one direction</p>	Pass
4.3.4	<p>Entrapment of fingers</p> <p>The requirements in 4.3.4 do not apply to weather-induced dry cracks in solid wood. Activity toys shall be constructed so that hazardous situations in which entrapment can occur are not created.</p>	Pass
4.4	<p>Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws</p>	
4.4.1	<p>General</p> <p>Activity toys supplied with anchors which, according to the manufacturer's instructions, are intended to be permanently fixed (e.g. in concrete) when in use, shall not be subjected to stability tests.</p> <p>Activity toys supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions.</p>	N/A
4.4.2	<p>Stability of activity toys with a free height of fall of 600 mm or less</p> <p>Activity toys with a free height of fall of 600 mm or less shall not tip over when tested according to 6.2.1 (stability of activity toys with a free height of fall of 600 mm or less).</p>	N/A

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4.4.3	Stability of activity toys with a free height of fall of more than 600 mm Activity toys with a free height of fall of more than 600 mm shall not tip over when tested according to 6.2.2 (stability of activity toys with a free height of fall of more than 600 mm).	N/A
4.5	Slides	
4.5.1	General The requirements in 4.5 do not apply to declined planes, which meet the following requirements: — the free height of fall is less than 600 mm and the overall declination of the declined section is less than 30° from the horizontal; or — the free height of fall is less than 400 mm	Pass
4.5.2	Stability of slides Slides supplied with anchors and intended to be permanently fixed (e.g. in concrete) when in use according to the manufacturer's instructions, shall not be subjected to stability tests. Slides supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions. Slides not supplied with anchors shall be subjected to stability tests. Slides (excluding attachment slides) shall not tip over when tested according to 6.2.3 (stability of slides).	Pass
4.5.3	Retaining sides for slides	
	Retaining sides for slides shall comply with the following requirements a) for slides with a starting section height of more than 1 000 mm measured from the ground, the height (h) of the retaining sides shall be 100 mm or more;	N/A
	b) for slides with a starting section height of 1 000 mm or less measured from the ground, the height (h) of the retaining sides shall be 50 mm or more.	Pass
	c) Retaining sides are not required for the run-out section of slides. If the run-out section is equipped with retaining sides, the finishing end of the retaining side shall have a minimum radius of 10 mm	Pass
	Starting, sliding and run-out sections on slides Slides shall consist at least of a starting section, a sliding section and a run-out section. For attachment slides, a platform may be regarded as the starting section. The starting, sliding and run-out sections of slides shall comply with the following requirements	Pass
	a) the starting section for slides with a starting section height of less than 1 000 mm measured from the ground shall have at least the same width as the sliding section; a length of 150 mm or more; and an	Pass

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4.5.4	inclination of between 0° and 10° to te horizontal.									
	b) the starting section for slides with a starting section height of 1 000 mm or more measured from the ground shall have at least the same width as the sliding section; a length of 250 mm or more; and an inclination of between 0° and 10° to the horizontal.	N/A								
	c) the starting section of slides (excluding attachment slides) shall be provided with handrails in order to provide assistance to the child coming from the stair/ladder into the sitting position: 5) for slides with a starting section height less than 600 mm, the height of the handrail shall be 100 mm or more; 6) for slides with a starting section height of 600 mm or more but less than 1 000 mm, the height of the handrail shall be 150 mm or more; 7) for slides with a starting section height of 1 000 mm or more but less than 1 800 mm, the height of the handrail shall be 350 mm or more; 8) for slides with a starting section height of 1 800 mm or more, the height of the handrail shall be 500mm or more	Pass								
	d) the run-out section of the slide shall have a length of 150 mm or more. The inclination of the run-out section shall be between 0° and 10° to the horizontal, and the height of the end of the run-out section shall be 300 mm or less from the ground;	Pass								
	e) the finishing end of the run-out section shall have a minimum radius of 25 mm. This requirement does not apply to slides where the run-out section ends 50 mm or less from the ground;	Pass								
	f) the sliding section of the slide shall not exceed an angle of inclination of 60° to the horizontal at any point when measured according to 6.7.1	Pass								
	g) the minimum angle (α) along the sliding section and the run-out section shall not be less than the values given in Table 2, Table 2 — Minimum angle (α) along the sliding section and the run-out section in relation to the height of the starting section	Pass								
	<table><tr><th>Height of the starting section</th><th>Minimum angle (α) along the sliding section and the run-out section</th></tr><tr><td>Less than 600 mm</td><td>120°</td></tr><tr><td>600 mm or more but less than 1 000 mm</td><td>130°</td></tr><tr><td>1 000 mm or more but less than 1 800 mm</td><td>140°</td></tr><tr><td>1 800 mm or more</td><td>150°</td></tr></table>		Height of the starting section	Minimum angle (α) along the sliding section and the run-out section	Less than 600 mm	120°	600 mm or more but less than 1 000 mm	130°	1 000 mm or more but less than 1 800 mm	140°
Height of the starting section	Minimum angle (α) along the sliding section and the run-out section									
Less than 600 mm	120°									
600 mm or more but less than 1 000 mm	130°									
1 000 mm or more but less than 1 800 mm	140°									
1 800 mm or more	150°									
h) junction between sliding section and run-out section shall be a continuous curve;	Pass									

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	i) the finishing end of the retaining section shall have a minimum radius of 10 mm.	Pass
4.6	Swings	
4.6.1	Stability of swings and other activity toys with crossbeams	N/A
4.6.2	Static strength of crossbeams, swing devices and suspension connectors When tested according to 6.3.2 (strength of swings), structures and/or crossbeams shall not collapse and swing devices and suspension connectors shall not become deformed, so that the activity toy does not comply with relevant requirements of EN 71-1.	N/A
4.6.3	Swings intended for children under 36 months The seats of swings shall provide with a backrest and a safety device preventing the child from falling off the seat. If the seat is provided with a T-bar or a protective bar with a crotch strap, the horizontal section of the T-bar or the protective bar shall be situated between 200 mm and 300 mm above the seat,	N/A
4.6.4	Minimum clearance between adjacent swing elements, and adjacent structures The requirements in 4.6.4 do not apply to single swing elements in swings with a crossbeam height of 1 200 mm or less above the ground. The minimum clearances between adjacent swing elements and between swing elements and adjacent structures shall be as given in Table 2.	N/A
4.6.5	Lateral stability of swing elements The requirement in 4.6.5 does not apply to swings with rigid means of suspension. The minimum distance between the suspension points of a swing measured along the crossbeam shall be calculated as follows (see Figure 7): $A = 0,04 h + B$ where A is the distance between the suspension points along the crossbeam; B is the distance between the junction points of the swing element and the means of suspension; h is the distance from the ground to the lower side of the crossbeam	N/A

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4.6.6	<p>Minimum clearance between swing elements and the ground (see A.11)</p> <p>The minimum clearance between swing elements and the ground shall be as follows: swings with a crossbeam height of 1 200 mm or less : 200 mm;</p> <p>swings with a crossbeam height exceeding 1 200 mm: 350 mm.</p> <p>If a swing element has a footrest, the minimum clearance is measured between the footrest and the ground.</p> <p>If the clearance between the swing elements and ground is adjustable, the minimum clearance shall be mentioned in the assembly and installation instructions.</p> <p>For a flexible swing element, the fixture detailed in Figure 7 shall be used to simulate normal use</p>	N/A
4.6.7	<p>Suspension connectors and swing devices</p> <p>a) The suspension coupling(s) (see Figure 2, key 4) shall be prefixed to the means of suspension when supplied. This requirement does not apply to swings with rigid means of suspensions.</p> <p>b) Methods of attachment requiring knots are not permitted. Only:</p> <p>3) non disassembling systems, a forced disassembling causing the destruction of the product, and</p> <p>4) inviolable systems, like weld or injection stop are permitted.</p> <p>c) Suspension connectors shall be of a design that will prevent unintentional disconnection.</p>	N/A
4.6.8	Impact, geometry and design of swing elements	N/A
4.7	See-saws	
4.7.1	<p>Stability of see-saws</p> <p>The requirements in 4.7.1 do not apply to see-saws supplied with anchors that are intended to be permanently fixed (e.g. in concrete).</p> <p>See-saws supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions.</p> <p>When tested according to 6.2.5 (stability of see-saws), see-saws supplied with removable ground anchors and see-saws not supplied with anchors shall not tip over.</p>	N/A
4.7.2	<p>Seat/stand height</p> <p>The central point of the sitting or standing position of the see-saw shall not exceed a height of 1 200 mm. The sitting surface of the seats shall not swing out of the horizontal by more than 30°.</p>	N/A
4.7.3	<p>Restraint of motion</p> <p>For see-saws where the central point of the sitting or standing position can reach a height of 1 000 mm or more, each end of the see-saw shall be provided with dampening material on the part that touches the ground or have a dampening device incorporated in the centre of the see-saw.</p>	N/A

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4.7.4	Pinching and crushing of fingers and toes When one end of the beam is touching the ground, the space between the underside of the beam and its central pivot shall admit a 12 mm diameter rod.	N/A
4.7.5	Hand supports Each seating position shall be provided with one hand support at least.	N/A
4.8	Carousels and rocking activity toys The requirements in 4.8 do not apply to bow-mounted rocking horses and similar toys. Carousels, rocking activity toys and similar toys shall comply with the following requirements: d) when tested according to 6.2.1 (stability of activity toys with a free height of fall of 600 mm or less), activity toys shall not tip over; e) when tested according to 6.3.2 (strength of activity toys other than swings and paddling pools), activity toys shall not collapse; f) when measured from the ground and surface to any sitting or standing position, the free height of fall for carousels and rocking activity toys shall not exceed 600 mm.	N/A
4.9	Paddling pools	
4.9.1	Static strength of paddling pools with non-inflatable walls When tested according to 6.10 (static load test for paddling pools with non-inflatable walls), the structure shall not present any hazardous sharp edges or hazardous sharp points, or any small parts which fit entirely in the small parts cylinder specified in EN 71-1.	N/A
4.9.2	Paddling pools with inflatable walls All air-inflation inlets on paddling pools with inflatable walls shall comply with the requirements for inflatable toys specified in EN 71-1.	N/A
5	Warnings, markings, and instructions	
5.1	Warnings and markings	Pass
5.2	Assembly and installation instructions	Pass
5.3	Maintenance	Pass

- Note :**
- 1) % = Percentage by weight.
 - 2) N.D. = Not detected, less than MDL.
 - 3) "---" = Not Regulated.
 - 4) MDL = Method Detection Limit.

Test Part Description:

1# Chito BA car fence set
3# Grey plastic
5# Green plastic

2# White plastic
4# Orange plastics
6# White paint

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PRODUCT PHOTOS



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REFERENCE PHOTOS

The photos were submitted by the client, only for reference



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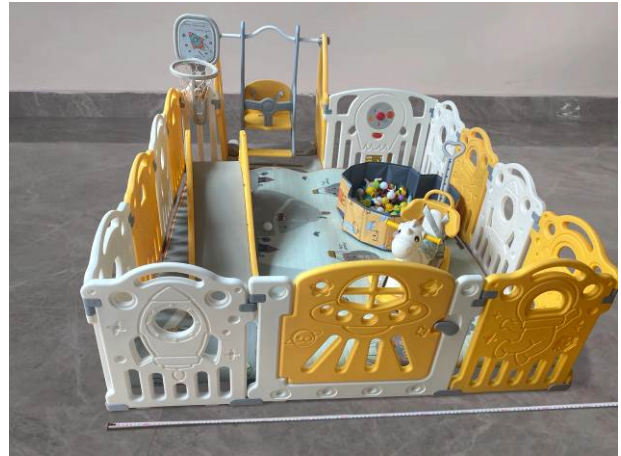
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***** END OF REPORT *****

STQ



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GENERAL CONDITIONS OF SERVICES

STQ Testing Services Co.,Ltd. (hereinafter "STQ"), The testing or examining under the request of the customer should obey terms as follow, according to regulation of "Contract Law of the People's Republic of China" on processing and undertaking contract, our company have legal right of termination without any reason and have the right to accept or refuse testing or examining request:

1. STQ only acts for the person or body originating the instructions (the "Clients"). No other party is entitled to give instructions, particularly on the scope of testing or delivery of report or certificate, unless authorized by the Clients.
2. The delivery and return fee of the samples which need to do testing at STQ should be paid by the client. STQ will not bear the responsibility for the testing error that is caused by transporting, packaging and labelling.
3. Sample recycling: when the testing or examining is finished, the customer should recycle the sample. Within 30 days after issuing of testing report, if the customer could not recycle the sample or send notification of sample recycling in written (for example, if the sample belongs to consumables, toxic drugs, dangerous goods and other items that are not suitable for long-term storage, such as semi-finished products and fragile samples such as liquids and powders, the retention period will be shortened to 7 days). After the retention period, STQ has the right to dispose of the sample arbitrarily without paying compensation or compensation to the customer and take no responsibility for the consequences that damages the customer's trade secrets and intellectual property rights due to the loss of the sample.
4. The Clients shall always comply with the following before or during STQ providing its services:
 - a) provide sample(s) and relevant data, at the same time, guarantee the consistence of the sample(s)' name they declared with the sample(s) or the goods provided. Otherwise, STQ will not bear any relevant responsibilities;
 - b) giving timely instructions and adequate information to enable STQ to perform the services effectively;
 - c) supply, when requested by STQ, any equipment and personnel for the performance of the services;
 - d) take all necessary steps to eliminate or remedy any obstruction in the performance of the services;
 - e) inform STQ in advance of any hazards or dangers, actual or potential, associated with any order of samples or testing;
 - f) provide all necessary access for STQ's representative to enable the required services to be performed effectively;
 - g) ensure all essential steps are taken for safety of working conditions, sites and installations during the performance of services;
 - h) fully discharge all its liabilities under any contract like sales contract with a third party, whether or not a report or certificate has been issued by STQ, failing which STQ shall be under no obligation to the Clients.
5. Subject to STQ's accepting the Client's instructions, STQ will issue reports or certificates which reflect statements of opinion made with due care within the scope of instructions but STQ is not obliged to report upon any facts outside the instructions, if there were any dissidence about the report or certificate, the Client should provide the written declaration to STQ within 15 days after the date receiving the report or certificate, otherwise, STQ will not hear the case after the date limit.
6. STQ is irrevocably authorized by the Clients to deliver at its discretion the report or the certificate to any third party when instructed by the Clients or where it implicitly follows from circumstances, trade custom, usage or practice as determined by STQ.
7. A test report will be issued in confidence to the Clients and it will be strictly treated as such by STQ. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of STQ. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by STQ, to his customer, supplier or other persons directly concerned. STQ will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the report unless required by the relevant governmental authorities, laws or court orders.
8. Applicants wishing to use STQ's reports in court proceedings or arbitration shall inform STQ to that effect prior to submitting the sample for testing.
9. The report will refer only to the sample tested and will not apply to the bulk, unless the sampling has been carried out by STQ and is stated as such in the Report. Also, the report is only for reference.
10. Any documents containing engagements between the Clients and third parties like contracts of sale, letters of credit, bills of lading, etc. are regarded as information for STQ only and do not affect the scope of the services or the obligations accepted by STQ.
11. If the Clients do not specify the methods/standards to be applied, STQ will choose the appropriate ones and further information regarding the methods can be obtained by direct contact with STQ, for the in-house method, STQ will only provide the summary.
12. No liability shall be incurred by and no claim shall be made against STQ or its servants, agents, employees or independent contractors in respect of any loss or damage to any such materials, equipment and property occurring whilst at STQ or any work places in which the testing is carried out, or in the course of transit to or from STQ or the said work places, whether or not resulting from any acts, neglect or default on the part of any such servants, agents, employees or independent contractors of STQ.
13. STQ will not be liable, or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its reports or in any communication whatsoever about its said tests or investigations.
14. Except for term 11 and term 12, if the test sample is damaged due to the negligence of STQ, the total compensation for loss and damage to the sample or loss to the customer shall not exceed twice of the test service fee.
15. In the event of STQ prevented by any cause outside STQ's control from performing any service for which an order has been given or an agreement made, the Clients shall pay to STQ:
 - a) the amount of all abortive expenditure actually made or incurred;
 - b) a proportion of the agreed fee or commission equal to the proportion (if any) of the service actually carried out by STQ, and STQ shall be relieved of all responsibility whatsoever for the partial or total non-performance of the required service.

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16. STQ shall be discharged from all liabilities for all claims for loss, damage or expense unless suit is brought within one calendar year after the date of the performance by STQ of the service relating to the claim or in the event of any alleged non-performance within one year of the date when such service should have been completed.
17. The Clients acknowledge that STQ does not, either by entering into a contract or by performing service, assume or undertake to discharge any duty of the Clients to any other persons. STQ is neither an insurer nor a guarantor and disclaims all liability in such capacity.
18. The Clients shall hold harmless and indemnify STQ and its officers, employees, agents or independent contractors against all claims made by any third party for loss, damage or expense of whatsoever nature including reasonable legal expenses relating to the performance or non-performance of any services to the extent that the aggregate of any such claims relating to any one service exceed the limits mentioned in Clause 13.
19. Any unauthorized alteration, forgery or falsification of the content or appearance of the report/certificate is unlawful and offenders may be prosecuted to the fullest extent of the law; in the event of improper use of the report, STQ reserves the right to withdraw it, and to adopt any other measures which may be appropriate.
20. Samples are deposited with and accepted by STQ on the basis that either they are insured by the Clients or the Clients assumes entire responsibility for loss through fire, theft, burglary or for damages arising in the course of analysis or handling, without recourse whatsoever to STQ or its servants, agent, employees or independent contractors.
21. If the requirements of the Clients require the analysis of samples by the Clients' or any third party's laboratory, STQ will only convey the result of the analysis without responsibility for its accuracy. If STQ is only able to witness an analysis by the Clients' or any third Party's laboratory STQ will only confirm that the correct sample has been analyzed without responsibility for the accuracy of any analysis or results.
22. In the event of any unforeseen additional time or costs being incurred in the course of carrying out any of its services, STQ shall be entitled to charge the Clients additional fees to reflect the additional time and costs incurred.
23. All rights (including but not limited to copyright) in any reports, certificates or other materials produced by STQ in the course of providing its services shall remain vested in STQ.
24. Unless otherwise agreed in written, payment should be arranged within 10 days after the invoice date or the debit note date. If the payment is overdue, the overdue penalty shall be calculated at 1% per day of the unpaid part till the actual payment date. All expenses, costs and losses incurred by STQ as a result of collecting or claiming the fees owed shall be borne by the customer, including but not limited to attorney fees, litigation fees, preservation fees, preservation guarantee fees, travel expenses, etc.
25. Test results may be transmitted by electronic means at the Client's request. However, it should be noted that electronic transmission cannot guarantee the information contained will not be lost, delayed or intercepted by third party. STQ is not liable for any disclosure, error or omission in the content of such messages as a result of electronic transmission.
26. If necessary, STQ may subcontract part of or all tests to competent subcontractors. If no objection is raised at the time of the Clients submitting the application, STQ shall assume the Client's approval.
27. This report/certificate does not relieve sellers/suppliers from their contractual responsibility with regards to the quality/quantity of this delivery nor does it prejudice the Client's right to claim towards sellers/suppliers for compensation for any apparent and/or hidden defects not detected during STQ's random inspection or testing or audit.
28. The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.
29. STQ reserves the right to include Special Conditions in addition to the foregoing General Conditions if warranted by the particular circumstances of the required test or investigation [this clause is only effective when the other party has been informed].
30. The foregoing General Conditions shall in all respects be governed, construed, interpreted and operated in accordance with the relevant Chinese laws and regulations. Unless otherwise agreed, the arbitration shall take place in P. R. C
31. These General Condition have been drafted in Chinese and may be translated into other languages. In the event of any discrepancy, the Chinese version shall prevail.
32. In general sample will be stored for 30 days. But for liquid, powder, etc semi-product & fragile product, it will be stored for 15 days after the report is issued.

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