

TEST REPORT

APPLICANT : Fujian Zhangping D-road Forestry Co.,Ltd

ADDRESS : Fushan Industry District, Zhangping City, Fujian, China,
364400

SAMPLE DESCRIPTION : Kid's Sandbox

ITEM NO. : 2076

MANUFACTURER : Fujian Zhangping D-road Forestry Co.,Ltd

COUNTRY OF ORIGIN : China

AGE REQUESTED ON APPLICATION FORM : 3~7 years

SAMPLE RECEIVED DATE : 07-Nov-2023

SAMPLE RESUBMISSION DATE : 23-Nov-2023

TURN AROUND TIME : 07-Nov-2023 to 24-Nov-2023

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Safety of toys part 8: Activity toys for domestic use	EN71-8:2018	Pass

Eurofins (Hangzhou) contact information

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

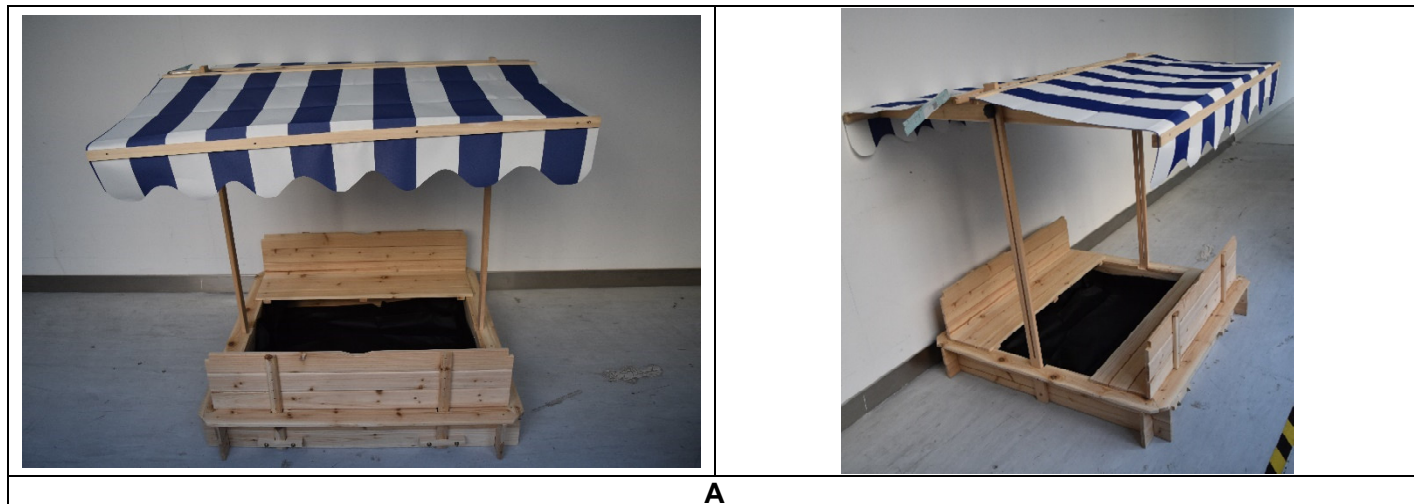
Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch

Jack Ma
Lab Manager of HZ Hardline Laboratory



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SAMPLE PHOTO(S)



EFHZ23111167-CG-01

TEST RESULT

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

1. Description of tested sample: Toy

2. Number to test sample: 1 Piece

3. Test result:

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								
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)	N/A								
4.2.2	Ladders and similar means of access to activity toys (see A.6)	N/A								
4.3	Entrapment									

TO BE CONTINUED

TEST RESULT

Clause	Test Method/ Requirement	Rating
4.3.1	Head and neck entrapment 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. Hazardous situations in which this type of entrapment can be encountered include the following: — 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).	Pass
4.3.2	Entrapment of clothing and hair a) <i>Slides</i>, 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: 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. When tested according to 6.6 (toggle test), entrapment of the toggle or chain shall not occur. 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. b) <i>Slides</i> 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 of preventing entanglement of clothing or hair.	N/A
4.3.3	Entrapment of feet The requirement in 4.3.3 does not apply to nets for climbing or walking, or net bridges. 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	Pass
4.3.4	Entrapment of fingers 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.	Pass
4.4	Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws	
4.4.1	General 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. Activity toys supplied with removable ground anchors shall be tested with anchors fixed to the standing surface according to the manufacturer's instructions.	N/A

TO BE CONTINUED

TEST RESULT

Clause	Test Method/ Requirement	Rating
4.4.2	Stability of activity toys with a free height of fall of 600 mm or less 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).	Pass
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	N/A
4.5.2	Stability of slides <i>Slides</i> supplied with <i>anchors</i> 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. <i>Slides</i> supplied with removable ground <i>anchors</i> shall be tested with <i>anchors</i> fixed to the standing surface according to the manufacturer's instructions. <i>Slides</i> not supplied with <i>anchors</i> shall be subjected to stability tests. <i>Slides</i> (excluding <i>attachment slides</i>) shall not tip over when tested according to 6.2.3 (stability of slides).	N/A
4.5.3	Retaining sides for slides	
	Retaining sides for <i>slides</i> shall comply with the following requirements a) for <i>slides</i> 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 <i>slides</i> 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.	N/A
	c) Retaining sides are not required for the run-out section of <i>slides</i> . 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	N/A
4.5.4	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	N/A
	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 inclination of between 0° and 10° to the horizontal.	N/A
	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

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Clause	Test Method/ Requirement	Rating										
	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	N/A										
	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;	N/A										
	e) the finishing end of the run-out section shall have a minimum radius of 25 mm. This requirement does not apply to <i>slides</i> where the run-out section ends 50 mm or less from the ground;	N/A										
	f) the sliding section of the <i>slide</i> shall not exceed an angle of inclination of 60° to the horizontal at any point when measured according to 6.7.1	N/A										
	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 <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°	1 800 mm or more	150°	N/A
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;	N/A										
	i) the finishing end of the retaining section shall have a minimum radius of 10 mm.	N/A										
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	N/A										

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Clause	Test Method/ Requirement	Rating
	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.	
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
4.6.6	Minimum clearance between swing elements and the ground (see A.11) 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; swings with a crossbeam height exceeding 1 200 mm: 350 mm. If a swing element has a footrest, the minimum clearance is measured between the footrest and the ground. If the clearance between the swing elements and ground is adjustable, the minimum clearance shall be mentioned in the assembly and installation instructions. For a flexible swing element, the fixture detailed in Figure 7 shall be used to simulate normal use	N/A
4.6.7	Suspension connectors and swing devices 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. b) Methods of attachment requiring knots are not permitted. Only: 1) non disassembling systems, a forced disassembling causing the destruction of the product, and 2) inviolable systems, like weld or injection stop are permitted. c) Suspension connectors shall be of a design that will prevent unintentional disconnection.	N/A
4.6.8	Impact, geometry and design of swing elements	N/A
4.7	See-saws	
4.7.1	Stability of see-saws The requirements in 4.7.1 do not apply to see-saws supplied with <i>anchors</i> that are intended to be permanently fixed (e.g. in concrete). See-saws supplied with removable ground <i>anchors</i> shall be tested with <i>anchors</i> fixed to the standing surface according to the manufacturer's instructions. When tested according to 6.2.5 (stability of see-saws), see-saws supplied with removable ground <i>anchors</i> and see-saws not supplied with <i>anchors</i> shall not tip over.	N/A
4.7.2	Seat/stand height 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°.	N/A
4.7.3	Restraint of motion 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	N/A

TO BE CONTINUED

TEST RESULT

Clause	Test Method/ Requirement	Rating
	device incorporated in the centre of the see-saw.	
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 <i>activity toys</i> 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 <i>collapse</i> ; 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*

Note:

N/A =Not applicable;

"***" Means only artwork with required information was provided.

END OF THE REPORT