

Test Report

Number: SHAH00623255

Applicant: WONDERLAND SPORT LIMITED
NO.4 JIUXIANQIAO ROAD, CHAOYANG
DISTRICT, BEIJING, CHINA
Attn: DAVID TAN

Date: 03 Dec, 2015

Sample Description:

Two(2) pieces of submitted sample said to be :
Item Name : Skateboard Swing.
Item No. : 45070.
Labelled Age Group : 3+.
Packaging Provided By Applicant : No.
Vendor : Wonderland Sport Limited.
Country Of Origin : China.

Tests Conducted:

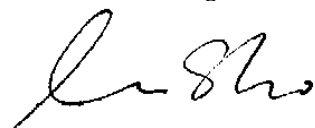
As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	EN71-1: 2014 for Mechanical And Physical Properties	Pass
	EN71-2: 2011+A1: 2014 Flammability Test	Pass
Tested components of submitted sample	EN 71-3:2013+A1:2014 for migration of certain elements	Pass
Submitted Sample	EN71-8: 2011 Safety Of Toys - Activity Toys For Domestic Use	Pass
Tested component of submitted sample	Phthalates content requirement in Annex XVII items 51 & 52 of the REACH regulation (EC) NO. 1907/2006 & Amendment NO.552/2009	Pass
	Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011 and (EU) No. 835/2012 of 18 September 2012 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Leo Shi
General Manager



Tests Conducted

1 Mechanical and Physical Test

As Per European Standard on Safety of Toys EN71-1: 2014.

Applicant's Specified Age Group for Testing: For ages 3 years and up

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material Cleanliness	P
4.2	Assembly	NA
4.3	Flexible Plastic Sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic Wires	P
4.9	Protruding Parts	NA
4.10	Parts Moving Against Each Other	NA
4.11	Mouth Actuated Toys and Other Toys Intended to be Put in the Mouth	NA
4.12	Balloons	NA
4.13	Cords of Toy Kites and Other Flying Toys	NA
4.14	Enclosures	NA
4.15	Toys Intended to Bear the Mass of a Child	NA
4.16	Heavy Immobile Toys	NA
4.17	Projectiles	NA
4.18	Aquatic Toys and Inflatable Toys	NA
4.19	Percussion Caps Specifically Designed for Use in Toys and Toys Using Percussion Caps	NA
4.20	Acoustics	NA
4.21	Toys Containing Non-Electrical Heat Source	NA
4.22	Small Balls	NA
4.23	Magnets	NA
4.24	Yo-yo Balls	NA
4.25	Toys Attached to Food	NA
5	Toys intended for Children under 36 Months	
5.1	General Requirements	NA
5.2	Soft-filled Toys and Soft-filled Parts of a Toy	NA
5.3	Plastic Sheeting	NA
5.4	Cords, Chains and Electrical Cables in Toys	NA
5.5	Liquid-Filled Toys	NA
5.6	Speed Limitation of Electrically-driven Ride-on Toys	NA
5.7	Glass and Porcelain	NA
5.8	Shape and Size of Certain Toys	NA
5.9	Toys Comprising Monofilament Fibres	NA
5.10	Small Balls	NA
5.11	Play Figures	NA
5.12	Hemispheric-shaped Toys	NA
5.13	Suction Cups	NA
5.14	Straps Intended to be Worn Fully or Partially Around the Neck	NA

Tests Conducted

Clause	Testing Items	Assessment
6	Packaging	NA
7	Warnings, Markings and Instructions for Use	
7.1	General	NA
7.2	Toys Not Intended for Children under 36 Months	NA
7.3	Latex Balloons	NA
7.4	Aquatic Toys	NA
7.5	Functional Toys	NA
7.6	Hazardous Sharp Functional Edges and Points	NA
7.7	Projectiles	NA
7.8	Imitation Protective Masks and Helmets	NA
7.9	Toy Kites	NA
7.10	Roller skates, Inline skates, Skateboards and Certain other ride-on Toys	NA
7.11	Toys Intended to be Attached to Strung Across a Cradle, Cot, or Perambulator	NA
7.12	Liquid-filled Teethers	NA
7.13	Percussion Caps Specifically Designed for Use in Toys	NA
7.14	Acoustics	NA
7.15	Toy Bicycles	NA
7.16	Toys Intended to Bear the Mass of a Child	NA
7.17	Toys Comprising Monofilament Fibres	NA
7.18	Toy Scooters	NA
7.19	Rocking Horses and Similar Toys	NA
7.20	Magnetic/Electrical Experimental Sets	NA
7.21	Toys with Electrical Cables Exceeding 300 mm in Length	NA
7.22	Toys with Cords or Chains Intended for Children of 18 Months and over but under 36 Months	NA

Remark: P = Pass NA = Not Applicable

Artwork of packaging was provided for testing.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- All the above markings were not found.

Date Sample Received: Nov.19, 2015 & Nov.26, 2015

Testing Period: Nov.19, 2015 to Nov.26, 2015

To be continued

Tests Conducted

2 Flammability Test

As per European Standard on Safety of Toys EN71-2: 2011+A1: 2014

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be Worn on the Head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark : P = Pass NA = Not Applicable

Date Sample Received: Nov.19, 2015

Testing Period: Nov.19, 2015 to Nov.25, 2015

3 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3: 2013 and amendment A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

<u>Element</u>	<u>Result (mg/kg)</u>			<u>Limit (mg/kg)</u>
	(1)	(2)#	(3)	
Aluminium (Al)	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	17
Chromium (III) (Cr III)	< 10	< 10	< 10	460
Chromium (VI) (Cr VI)	< 0.15	< 0.15	< 0.15	0.2
Cobalt (Co)	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	60	15000
Mercury (Hg)	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	46000

To be continued

Tests Conducted

Remark: mg/kg = Milligram per kilogram
spl. wt. = Sample weight

- Organic tin test result was expressed as tributyl tin.
- Unless specified, test results of Chromium (III), Chromium (VI) and Organic tin were derived from migration results of total chromium and tin respectively.
- Migration of Chromium (III) = Migration of total Chromium – Migration of Chromium(VI), when performed confirmation test for Chromium (VI)

= Confirmation of Chromium (VI) test was performed on the tested component.

Tested Components: See component list in the last section of this report.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date Sample Received: Nov.19, 2015

Testing Period: Nov.19, 2015 To Nov.23, 2015

To be continued

Tests Conducted

4 Safety Requirement For Activity Toy

Test Standard: EN71-8: 2011 Safety Of Toys - Part 8: Activity Toys For Domestic Use.

Applicant's Specified

- Age Group For Testing: For ages 3 years and up
- Maximum Total Weight: 100 KGS

Number Of Samples Tested: One (1) Set.

Clause	Requirement	Result
4.1	General	
4.1.1	Assembly	NA
4.1.2	Static Strength	NA
4.1.3	Maximum Height	P#1
4.1.4	Corners And Edges	P
4.1.5	Protruding Parts	NA
4.1.6	Diameter Of Ropes And Other Means Of Suspension	P
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	NA
4.2.2	Ladders And Similar Means Of Access To Activity Toys	NA
4.3	Entrapment	
4.3.1	Head And Neck Entrapment	P
4.3.2	Entrapment Of Clothing And Hair	NA
4.3.3	Entrapment Of Feet	NA
4.3.4	Entrapment Of Fingers	P
4.4	Stability Of Activity Toys Other Than Slides, Swings And Activity Toys With Crossbeams, And See-Saws	
4.4.1	General	NA
4.4.2	Stability Of Activity Toys With A Free Height Of Fall Of 600 mm Or Less	NA
4.4.3	Stability Of Activity Toys With A Free Height Of Fall Of More Than 600 mm	NA
4.5	Slides	
4.5.1	Stability Of Slides	NA
4.5.2	Retaining Sides Of Slides	NA
4.5.3	Starting, Sliding And Run-Out Section On Slides	NA
4.6	Swings	
4.6.1	Stability Of Swings And Other Activity Toys With Crossbeams	NA
4.6.2	Static Strength Of Crossbeams, Swing Devices And Suspension Connectors	P#2
4.6.3	Swings Intended For Children Under 36 Months	NA
4.6.4	Minimum Clearance Between Adjacent Swing Elements, And Adjacent Structures	NA
4.6.5	Lateral Stability Of Swing Elements	NA
4.6.6	Minimum Clearance Between Swing Elements And The Ground	P#1
4.6.7	Suspension Connectors And Swing Devices	NA
4.6.8	Impact, Geometry And Design Of Swing Elements	P#2
4.7	See-saws	NA
4.7.1	Stability Of See-saws	NA
4.7.2	Seat/Stand Height	NA
4.7.3	Restraint Of Motion	NA
4.7.4	Pinching And Crushing Fingers And Toes	NA
4.7.5	Hand Supports	NA
4.8	Carousels And Rocking Activity Toys	NA
4.9	Paddling Pools	
4.9.1	Static Strength Of Paddling Pools With Non-Inflatable Walls	NA
4.9.2	Paddling Pools With Inflatable Walls	NA
5	Warnings, Markings, And Instructions	
5.1.1	General	P
5.1.2	Paddling Pools	NA
5.2	Assembly And Installation Instruction	P
5.3	Maintenance	P

Abbreviation: P = Pass; NA = Not Applicable

Tests Conducted

Remark:

#1 - The instruction manual stated that the swing should be installed 35cm to 60cm above the floor, hence it is deemed to satisfy the requirement in 4.1.3 and 4.6.6 (no part of toy where the child is able to climb, sit or stand over a height of 2500 mm).

#2 - No suspension hook and crossbeam were provided. The product was securely mounted on a rigid test frame to perform the assessment.

Date Sample Received: Nov.19, 2015 & Nov.26, 2015 & Nov.30, 2015

Testing Period: Nov.19, 2015 to Dec.2, 2015

5 Phthalate content test

With reference to EN 14372, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

<u>Tested compound</u>	<u>Result (%w/w)</u>	<u>Limit(%w/w)</u> <u>(MAX.)</u>
	(2)	
Di-butyl phthalate (DBP)	ND	---
Di(2-ethyl hexyl) phthalate(DEHP)	ND	---
Benzyl butyl phthalate (BBP)	ND	---
Sum of three phthalates	ND	0.1
Di-iso-nonyl phthalate (DINP)	ND	---
Di-n-octyl phthalate (DNOP)	ND	---
Di-iso-decyl phthalate (DIDP)	ND	---
Sum of three phthalates	ND	0.1

Remark: The above limit was quoted according to Annex XVII items 51 & 52 of the REACH regulation (EC) NO.1907/2006 & Amendment NO.552/2009 for phthalate content in toys and children care articles.

Detection limit = 0.01%(w/w)

ND = Not detected

Tested components: See component list in the last section of this report.

Date sample received: Nov.19, 2015

Testing period: Nov.19, 2015 To Nov.20, 2015

To be continued

Tests Conducted

6 Cadmium (Cd) content

As per Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011 and (EU) No. 835/2012 of 18 September 2012 Amending Annex XVII Item 23 of the Reach Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested component
(2)

Result in %
ND

Requirement:	
Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark: ND = Not Detected (<0.0005%)

Tested Components: See component list in the last section of this report.

Date Sample Received: Nov.19, 2015

Testing Period: Nov.19, 2015 To Nov.23, 2015

To be continued

Tests Conducted



SHAH00623255

Components list :

- (1) Olive plastic thread.(cord) (spl.wt. = 94 mg)
- (2) Green foam.
- (3) Natural color wood.

End of report

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