

Test Report

Number: SHAH01461243S1

Applicant: WENZHOU UNION IMPORT & EXPORT CO.,LTD.
WAIYAO VILLAGE,HUANGTIAN STREET,
YONGJIA COUNTY,WENZHOU CITY,ZHEJIANG
PROVINCE
Attn: ERIK

Date: Jun 17, 2022

THIS IS TO SUPERSEDE REPORT
NO. SHAH01461243 DATED 13 Jun,
2022

Sample Description:

One(1) group of submitted sample said to be :

Item Name : Indoor climbing frame and swing
Item No. : UN-C01
Quantity : 2
Labelled Age Group : 3+
Packaging Provided By Applicant : No
Goods Exported To : Germany
Country Of Origin : China

Tests Conducted:

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

Conclusion:

Tested Samples	Standard	Result
Submitted Sample	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties Excluding 7. Warnings, markings and instructions for use	Pass
Submitted Sample	EN71-2: 2020 Flammability Test	Pass
Submitted Sample	EN71-8: 2018 Safety Of Toys - Activity Toys For Domestic Use Excluding 5. Warnings, Markings, And Instructions	Pass
Tested component(s) of submitted sample(s)	EN 71-3:2019+A1:2021 on migration of certain elements	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Peter Chen
General Manager



Test Report

Number: SHAH01461243S1

Tests Conducted

1. Mechanical and Physical Test

As Per European Standard on Safety of Toys EN71-1: 2014+ A1: 2018.

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

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material	P
4.2	Assembly	P#
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	Projectile toys	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 a 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
4.26	Toy disguise costumes	NA
4.27	Flying toys	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



Test Report

Number: SHAH01461243S1

Tests Conducted

Clause	Testing Items	Assessment
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
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	#

Remark: P = Pass NA = Not Applicable

= As the applicant's request, the labelling requirement of clause 7 was not assessed.

Date Sample Received: May 30, 2022

Testing Period: May 30, 2022 to Jun 10, 2022

2. Flammability Test

As per European Standard on Safety of Toys EN71-2: 2020

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	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: May 30, 2022

Testing Period: May 30, 2022 to Jun 10, 2022



Test Report

Number: SHAH01461243S1

Tests Conducted

3. Safety Requirement For Activity Toy

Test Standard: EN71-8: 2018 Safety Of Toys – Part 8: Activity Toys For Domestic Use.

Applicant's Specified

- Age Group For Testing: For ages 3 years and up
- Maximum Weight Of Single User: 30 kg for swing; 70 kg for climbing frame
- Maximum Total Weight: 70 kg

Number Of Samples Tested: One (1) Set.

Clause	Requirement	Result
4.1	General	
4.1.1	Assembly	P
4.1.2	Static Strength	P
4.1.3	Maximum Height	P
4.1.4	Corners And Edges	P
4.1.5	Protruding Parts	P
4.1.6	Diameter Of Ropes And Other Means Of Suspension	P
4.1.7	Water Accumulation	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	Entrapment Of Head And Neck	P
4.3.2	Entrapment Of Clothing And Hair	NA
4.3.3	Entrapment Of Feet	P
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	P
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	P
4.5	Slides	
4.5.1	General	NA
4.5.2	Stability Of Slides	NA
4.5.3	Retaining Sides Of Slides	NA
4.5.4	Starting, Sliding And Run-Out Sections On Slides	NA
4.6	Swings	
4.6.1	Stability Of Swings And Other Activity Toys With Crossbeams	P
4.6.2	Static Strength Of Crossbeams, Swing Devices And Suspension Connectors	P
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
4.6.7	Suspension Connectors And Swing Devices	P
4.6.8	Impact, Geometry And Design Of Swing Elements	P
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



Test Report

Number: SHAH01461243S1

Tests Conducted

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	NC

Abbreviation: P = Pass; NA = Not Applicable; NC=Not Conduct

Date Sample Received: May 30, 2022

Testing Period: May 30, 2022 to Jun 10, 2022

***4. 19 Toxic Element Migration Test**

(A) Test Result

As per EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
Aluminium (Al)	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	99	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND#	ND#	ND#	ND#	ND#	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.
 Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than reporting limit)
 # = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested component(s): See component list in the last section of this report.

(B) Categories of various toy materials



Test Report

Number: SHAH01461243S1

Tests Conducted

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).

Remark :

There were 2 pictures in the report.

Testing was only conducted toward the sample in picture 1 .

Pictures 2 was provided by applicant, the samples in them were not tested, thus the laboratory is not responsible for the authenticity.

Remark:

There were 4 pictures (A,B,C, D) in the report.

Testing was only conducted toward the sample in picture A and B.

Pictures C and D were provided by applicant, the samples in them were not tested, thus the laboratory is not responsible for the authenticity.

Components List:

Tested components:

- (1) Beige PE plastic(frame)
- (2) Green PE plastic(frame)
- (3) Grey plastic(nut accessories)
- (4) Blue PP plastic(building block)
- (5) Blue PE plastic

Remark: *The item is accredited and subcontracted to the organization complied with ISO/IEC 17025.



Test Report

Number: SHAH01461243S1

Tests Conducted



Picture 1: A



Picture 2: B



Picture 3: C



Picture 4: D

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

This report shall not be reproduced except in full, without written approval of the laboratory.



To: WENZHOU UNION IMPORT & EXPORT CO.,LTD.

Attention: ERIK

Date: Jun 17, 2022

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH01461243 Dated Jun 13, 2022 .

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Report Number **SHAH01461243S1**.

Reason for report revision: Change sample information requested by customer.

Thank you for your attention.

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Peter Chen
General Manager

