

Test Report

Number: SHAH01710193

Applicant: FUJIAN JINZHI INTELLIGENT TECHNOLOGY
CO.,LTD.
NO.15,GAOXIN ROAD,JINGCHENG TOWN,
NANJING COUNTY,ZHANGZHOU CITY,FUJIAN
PROVINCE 363600
Attn: ZHANG YU QING

Date: 17 Jul, 2024

Sample Description:

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

Item Name : KIDS WOODEN SANDBOX.
Item No. : 343-059V01BU.
Quantity : 1 Set.
Packaging Provided By Applicant : Yes (Artwork) .
Labelled Age Group : Not Specified.
Goods Exported to : USA.
Country Of Origin : China.

Tests Conducted:

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

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01710193

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-23 Physical and Mechanical Tests.	Pass
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass
Tested Component of Submitted Sample	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
	ASTM F963-23 section 4.3.8 on Phthalates content	Pass
Submitted Sample	U.S. ASTM F963-23 Flammability Test of Textile Materials	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-23 for soluble elements content	Pass
	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass
	U.S. ASTM F963-23 for total Lead content in surface coating	Pass
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



Page 2 of 15



Test Report

Number: SHAH01710193

Tests Conducted

1 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages 2 years and up

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Tip over test	---	3 times
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf
The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.		

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	P
4.3.7	Stuffing materials (10X magnification check on contaminations)	NA
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (Small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (Small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA



Test Report

Number: SHAH01710193

Tests Conducted

Section	Requirement	Result
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
7.1	Name of producer/distributor	Yes
	Address	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Abbreviation: P = Pass NA= Not Applicable

Artwork of packaging was provided for testing.

Date Sample Received: 03 Jul, 2024 & 10 Jul, 2024

Testing Period: 03 Jul, 2024 To 10 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

2 **Flammability Test**

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 08 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

3 Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	<u>Result (%)</u>		<u>Limit (%) (Max.)</u>
	(1)	(2)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.1

The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected
Detection Limit = 0.01%

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 15 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

4 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(4)	<10	100

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate).

Remark: ppm = Parts per million = mg/kg

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 12 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

5 Total Lead (Pb) Content in Surface Coating

As per standard operating procedure for determining Lead (Pb) in paint and other similar surface coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<20	90
(2)	<20	90

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark: ppm = Parts per million = mg/kg

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 12 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

6 Phthalates Content (ASTM F963-23)

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(1)	(2)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1

Remark: ND = Not Detected(Less than detection limit)

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 15 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

7 Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A6 Flammability Testing Procedure for Fabrics.

Result:

<u>Sample</u>	<u>After Washing (second)</u>	<u>requirement (second)</u>
Black fabric	IBE	3.5 or greater
	IBE	
	IBE	
	IBE	
	IBE	

Remark:

IBE = Ignited but Extinguished before Burning 5" Length

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 08 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

8 Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)			Reporting Limit	Limit
	(1)	(2)	(3)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	32.2#	72.1#	8.4#	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND#	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	2.5	25

Remark: mg/kg = milligram per kilogram =ppm

Sol. = Soluble

ND= Not detected (Less than reporting limit)

= The analytical results were adjusted by subtracting analytical correction factor.

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

Remark: As requested by the applicant, toxic elements content test were conducted only components listed in this report. Other components were not tested.

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 12 Jul, 2024

To be continued

Test Report

Number: SHAH01710193

Tests Conducted

9 Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Test Item</u>	<u>Result in ppm</u>	<u>Reporting Limit</u>	<u>Limit</u>
	(4)	(ppm)	(ppm)
Lead(Pb)	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 12 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

10 Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm		Reproting Limit	Limit
	(1)	(2)	(ppm)	(ppm)
Lead(Pb)	ND	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

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

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 12 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted

11 Tracking Label Assessment

As per Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels For Children Products.

Tracking Label Found on the Packaging:

Aosom LLC
Ningbo City,Zhejiang Province,China
June2024

Tracking Label Found on the Product:

Aosom LLC
Ningbo City,Zhejiang Province,China
June2024

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

Date Sample Received: 03 Jul, 2024

Testing Period: 03 Jul, 2024 To 08 Jul, 2024

To be continued



Test Report

Number: SHAH01710193

Tests Conducted



Components:

- (1) Blue coating on wood.
- (2) White coating on wood.
- (3) Red fabric(flag).
- (4) Golden metal(screw).

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.