

Test Report

Number: SHAH01679626S1

Applicant: ZHEJIANG XIAOYUER INDUSTRY AND TRADE CO.
LTD.
No. 9 GUIHUA ROAD, BAIHUASHAN
INDUSTRIAL PARK, WUYI, ZHEJIANG, CHINA

Date: 03 Jun, 2024

THIS IS TO SUPERSEDE REPORT NO.
SHAH01679626 DATED 03 Jun, 2024

Sample Description:

One (1) group of submitted sample said to be :
Item Name : Kid's Study Desk and Chair Set
Item No. : X7-1W/(Z-03, Y-03) X7-1W/(Z-03) X7-1W/(Y-03)
Date Sample Received : 17 Apr, 2024
Testing Period : 17 Apr, 2024 To 03 Jun, 2024

Tests Conducted:

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

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	ASTM F2613-22 Standard Consumer Safety Specification for Children's Chairs and Stools	Pass
	16 CFR 1232 Safety Standard For Children's Folding Chairs And Stools	Pass
Submitted Sample Set	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34 for Flammability Test	Not Applicable (See Remark)
	U.S. ASTM F963-23 Physical and Mechanical Tests. Excluding the warning and other labeling requirements Requirement of Section 5, 6 and 7	Pass (See Remark)
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Mechanical and Physical test	Pass (See Remark)
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Cellulose Nitrate and Celluloid	Pass (See Remark)
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Not Applicable (See Remark)

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



Test Report

Number: SHAH01679626S1

<u>Tested sample</u> Tested component(s) of submitted samples	<u>Standard</u> U.S. 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	<u>Result</u> Pass
	Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 on phthalate content	Pass
	Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 on Mercury content	Pass
	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	U.S. CFR Title 16 Part 1303 total Lead content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass

Remark:

The submitted sample was examined not a toy. However, as requested by the applicant, the submitted sample was assessed with reference to above requirements.

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



Test Report

Number: SHAH01679626S1

Tests Conducted

1 CHILDREN'S CHAIRS AND STOOLS

With reference to ASTM F2613-22 Standard Consumer Safety Specification for Children's Chairs and Stools, the submitted samples was subjected to the following tests:

Number of Sample Tested: One (1) Piece

Initial inspection: No any damage was found

Executive Summary:

Clause	Test items	Verdict
5	General requirements	P
5.1	Wood parts	NA
5.2	Sharp points and edges	P
5.3	Small parts	P
5.4	Surface coating	P
5.5	Flammable solids	P
5.6	Toy accessories	NA
5.7	Scissoring, shearing, and pinching	P
5.8	Product that folds	NA
5.8.1	Latching and Locking Mechanisms	NA
5.8.2	Product without Latching and Locking Mechanisms	NA
5.9	Circular holes in rigid materials	P
5.10	Labeling	NA
5.11	Protective components	NA
5.12	Strength Requirements	P
5.13	Stability	P
5.14	Head Entrapment	NA
6	Test Methods	-
7	Marking and Labeling	P

Abbreviation: P=Pass F=Fail NA=Not Applicable NC=Not Conducted NR = Not Requested

2 SAFETY SPECIFICATION FOR CHILDREN'S CHAIRS AND STOOLS

With reference to 16 CFR 1232 Standard Consumer Safety Specification for Children's Chairs and Stools, the submitted samples was subjected to the following tests:

Number of Sample Tested: One (1) Piece

Initial inspection: No any damage was found

Executive Summary:

Clause	Test items	Verdict
5	General requirements	P
5.1	Wood parts	NA
5.2	Sharp points and edges	P
5.3	Small parts	P
5.4	Surface coating	P
5.5	Flammable solids	P
5.6	Toy accessories	NA
5.7	Scissoring, shearing, and pinching	P
5.8	Product that folds	NA
5.8.1	Latching and Locking Mechanisms	NA
5.8.2	Product without Latching and Locking Mechanisms	NA
5.9	Circular holes in rigid materials	P
5.10	Labeling	NA
5.11	Protective components	NA
5.12	Strength Requirements	P
5.13	Stability	P
6	Test Methods	-

Test Report

Number: SHAH01679626S1

Tests Conducted

7	Marking and Labeling	P
---	----------------------	---

Abbreviation : P=Pass F=Fail NA=Not Applicable NC=Not Conducted NR = Not Requested

3 Flammability Test

Based on Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34.

Result: Not Applicable

4 Physical and Mechanical Tests

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

Applicant specified age group for testing: For ages 36 months 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:

Test	FHSA	Parameter
Tip over Test	Section 1500.53(b)	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
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (Small objects)	NA
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	P
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P

Test Report

Number: SHAH01679626S1

Tests Conducted

Section	Requirement	Result
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
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	#
6	Instructional Literature	#
7	Producer's Markings	#

P = Pass

NA = Not Applicable

Test Report

Number: SHAH01679626S1

Tests Conducted

= The item examined was not a toy. Therefore, the warning and other labeling requirements specified in sections 5, 6 and 7 did not apply.

5 Physical and Mechanical Test

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

Applicant specified age group for testing: For ages 36 months and up

The submitted samples were undergone the use and abuse tests in accordance with Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.	
<u>Test</u>	<u>Parameter</u>
Tip over test	3 times
Pull test	42.5±2 N
Push test	42.5±2 N

No.	Testing Items	Assessment
3	General - English and French bilingual statement	P
4	Packaging	
	(a) The opening perimeter is less than 14 inches	NA
	(b) The opening perimeter is more than 14 inches	P
	<u>Electrical hazard</u>	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	<u>Mechanical hazard</u>	
7	Small parts	NA
8	Metal edges	P
9	Wire frames	NA
10	Plastic edges	P
11	Wooden surfaces, edges and corners	NA
12	Glass	NA
13	Fasteners	P
14	Folding mechanism, bracket or bracing	NA
15	Spring-wound driving mechanisms	NA
16	Projectile components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	P
	<u>Auditory hazards</u>	
19	Noise limit	NA
	<u>Thermal hazards</u>	
20	Heated surfaces, parts or substances	NA
	<u>Dolls, plush toys and soft toys</u>	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	
	(a) Clean and free from vermin	NA

Test Report

Number: SHAH01679626S1

Tests Conducted

No.	Testing Items	Assessment
	(b) Free from hard and sharp foreign matter	NA
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA
	<u>Plant seeds</u>	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA
37	Shaft-like handle	NA
38	Toy steam engines boilers	NA
39	Finger paints	NA
40	Rattle	NA
41	Elastics	NA
42	Yo-yo type balls	
	(a) Stretchable cords	NA
	(b) Similar product	NA
43	Magnetic force	NA
44	Warning of magnetic toys	NA

Remark: P = Pass

NA = Not Applicable

6 Cellulose Nitrate and Celluloid

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302.and SOR/2018-138

	<u>Assessment</u>	<u>Requirement</u>
Cellulose Nitrate/Celluloid	Absent	Absent

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 A5 Flammability Testing Procedure for Solids and Soft Toys.

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

Test Report

Number: SHAH01679626S1

Tests Conducted

8 Phthalate Content (U.S. 16 CFR Part 1307)

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

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2+3	-	-	-			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	-	-	-	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	0.015	-	-	-	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	-	-	-	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	-	-	-	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	-	-	-	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	-	-	-	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	-	-	-	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	-	-	-	%	0.01	0.1

Remarks:

D.L. = Detection Limit

ND = Not detected

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

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

9 Phthalate Content (CCPSA SOR/2016-188)

With reference to Method CPSC-CH-C1001-09.3 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For 6 phthalates

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2+3	-	-	-			
Di-butyl phthalate (DBP)	84-74-2	ND	ND	-	-	-	mg/kg	100	1000
Di-(2-ethyl hexyl) phthalate (DEHP)/DOP	117-81-7	ND	152	-	-	-	mg/kg	100	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	-	-	-	mg/kg	100	1000
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	ND	-	-	-	mg/kg	100	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	-	-	-	mg/kg	100	1000
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	ND	-	-	-	mg/kg	100	1000

Test Report

Number: SHAH01679626S1

Tests Conducted

Remarks:

D.L. = Detection Limit

The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 for phthalate content on toys and child care articles.

ND = Not detected

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

10 Total Mercury (Hg) Content (CCPSA SOR/2016-193)

With reference to Method C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and determined by Inductively Coupled Plasma-mass Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	-	-	-	-			
Mercury (Hg)	ND	-	-	-	-	mg/kg	0.047	10

Remarks:

D.L. = Detection Limit

The above limit was quoted according to Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 for prohibition on Mercury in surface coatings.

ND = Not detected

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

11 Total Lead (Pb) content (CCPSA SOR/2018-83)

With reference to Method C-02.2.2, C-02.3.2, C-02.4.1, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	2+3	4	-	-			
Lead (Pb)	10	25	ND	-	-	mg/kg	10	90

Remarks:

D.L. = Detection Limit

The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

ND = Not detected

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

12 Total Lead (Pb) Content (U.S. 16 CFR Part 1303)

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	-	-	-	-			
Lead (Pb)	0.001	-	-	-	-	%	0.001	0.009

Test Report

Number: SHAH01679626S1

Tests Conducted

Remarks:

D.L. = Detection Limit

The above limit was quoted according to U.S. CFR Title 16 Part 1303 for Ban of Lead-containing Paint and Certain Consumer Products Bearing Lead-containing Paint.

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

13 **Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate) (U.S. CPSIA Section 101)**

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	2+3	4	-	-	-			
Lead (Pb)	25	10	-	-	-	mg/kg	10	100

Remarks:

D.L. = Detection Limit

The above 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.

mg/kg = parts per million = ppm

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



Picture 1



Picture 2

Test Report

Number: SHAH01679626S1

Tests Conducted



Picture 3



Picture 4

Component List

No.	Test Component Description(s)
(1)	White coating on metal.
(2)	Blue plastic. (seat/on feet)
(3)	Black plastic. (feet)
(4)	Silver color metal excluding coating.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. 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 unless with prior written approval from Intertek Testing Services Shanghai Ltd.

To: ZHEJIANG XIAOYUER INDUSTRY AND TRADE CO., LTD.

Date: May 06, 2023

Re: Report Revision Notification

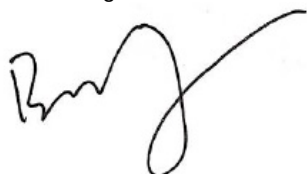
Intertek Testing Services Report Number SHAH01679626 Dated .

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 **SHAH01679626S1**.

Reason for report revision: Update picture as per client's requirement.

Thank you for your attention.

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager

