

Test Report

Number: SHAH01336823

Applicant: ZHEJIANG KANGLAIBAO SPORTING GOODS INC.
F BINHAI AREA, TAIZHOU ECONOMIC
DEVELOPMENT ZONE ZHEJIANG, CHINA
Attn: KEVIN YU

Date: 11 Jun, 2021

Sample Description:

One (1) piece of submitted sample said to be :
Item Name : **SWING SET.**
Item No. : **S012P.**
Labelled Age Group : 9Months-36Months.
Packaging Provided By Applicant : Yes.
Goods Exported To : US.
Country Of Origin : China.

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 Set	U.S. ASTM F963-17- Physical And Mechanical Tests on section 4.1 , 4.6.1 , 4.7 , 4.9 ,4.11 , 4.12 & 4.15	Pass (see remark)
	U.S. ASTM F963-17- Flammability Test of Materials Other Than Textile Materials	Pass (see remark)
Tested component(s) of submitted sample	U.S. ASTM F963-17 for total Lead content in non-surface coating	Pass
	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
	U.S. ASTM F963-17 for soluble elements content in surface coating	Pass
	U.S. ASTM F963-17 section 4.3.5.2(2)(b) for soluble elements content for non-surface coating materials	Pass
Tested component(s) of submitted sample(s)/ set(s)	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. Code of Federal Regulations title 16 part 1303 for total Lead content in surface coating	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



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<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component(s) of submitted sample(s)/ set(s)	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
Tested component(s) 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
Submitted Sample Set	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass

Remark:

The submitted samples were not considered to be toys and were not subjected to the testing scope of ASTM F963-17. However as requested by the applicant, the samples were tested respect to the requirements as stated in the standards.

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Tests Conducted

1 Physical and Mechanical Tests

Based on ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For ages from 9 to 36 months

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>
Tip over Test	Section 1500.51(b)	3 times
Torque Test	Section 1500.52(e)	3 in-lbf
Tension Test	Section 1500.52(f)	15 lbf
Compression Test	Section 1500.52(g)	25 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality	P
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
4.11	Nails And Fasteners	P
4.12	Plastic Film	P
4.15	Stability and Over-Load Requirements	P

Remark: The submitted samples were undergone the tests in accordance with Section 8.5 through Section 8.18 and 8.21 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

Remark:
As applicant's request, the section 4.1 , 4.6.1 , 4.7 , 4.9 ,4.11 , 4.12 & 4.15 were assessed,

Date sample received: Apr.30, 2021 & May 19, 2021 & Jun.10, 2021

Testing period: Apr.30, 2021 to Jun.10, 2021

2 Flammability Test

Based on section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-17.

Result = Ignited But Self-Extinguished before Burn Rate Could be Determined

Date sample received: Apr.30, 2021

Testing period: Apr.30, 2021 to May 11, 2021

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Tests Conducted

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

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test methods CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(3+4+5)	<10	100
(6+10)	<10	100
(11)	<10	100
(12+13)	<10	100
(9)	<10	100

Remark: ppm = parts per million = mg/kg

Date sample received: Apr.30, 2021

Testing period: Apr.30, 2021 to May 26, 2021

4 Total Lead (Pb) Content for Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, 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 in ppm</u>	<u>Limit (ppm)</u>
(1+2)	<20	90

Remark: ppm = parts per million = mg/kg

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

Date sample received: Apr.30, 2021

Testing period: Apr.30, 2021 to May 26, 2021

5 Soluble Elements Analysis In Surface Coating

As per section 4.3.5.1(2) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>	<u>Limit (ppm)</u>	
	(1)	(2)	
Sol. Barium (Ba)	453	366	1000
Sol. Lead (Pb)	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	75
Sol. Antimony (Sb)	<5	<5	60
Sol. Selenium (Se)	<5	<5	500
Sol. Chromium (Cr)	<5	<5	60
Sol. Mercury (Hg)	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	25

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Remark : Sol. = soluble
ppm = parts per million = mg/kg

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

The sample weight in bracket was / were for soluble heavy metal elements analysis only.

Date sample received: Apr.30, 2021
Testing period: Apr.30, 2021 to May 26, 2021

6 Soluble Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	(3)	(4)	(5)	<u>Result (ppm)</u>		(8)	(10)	(11)	<u>Limit (ppm)</u>
	(6)	(7)	(8)	(10)	(11)	(12)	(13)	(14)	(15)
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg

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

The sample weight in bracket was / were for soluble heavy elements analysis only.

Date sample received: Apr.30, 2021
Testing period: Apr.30, 2021 to May 26, 2021

7 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 CPSC-CH-E1001-08.3 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>
(3+4+5)	<10	100
(6+10)	12	100
(7)	<10	100
(11)	<10	100
(12+13)	<10	100
(9)	<10	100

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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: Apr.30, 2021

Testing period: Apr.30, 2021 to May 26, 2021

8 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> (1+2)	<u>Result (ppm)</u> <20	<u>Limit (ppm)</u> 90
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The limit was quoted according to U.S. Code of Federal Regulations title 16 part 1303 and 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: Apr.30, 2021

Testing period: Apr.30, 2021 to May 26, 2021

9 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)	(3+4+5)	(6+10)	(10)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	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.

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Remark: ND = Not Detected
Detection Limit = 0.01%

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

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10 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:
MOGO SPORT
Longyan City
2021.4.16
S012P

Tracking Label found on the Product:
MOGO SPORT
Longyan City
2021.4.16
S012P

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: Apr.30, 2021 & May 19, 2021 & Jun.10, 2021
Testing period: Apr.30, 2021 to Jun.10, 2021

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Tests Conducted

Components list :

- (1) Orange coating on metal. (stick)
- (2) Blue coating on metal. (stick)
- (3) Yellow plastic. (chair)
- (4) Red plastic. (chair)
- (5) Black plastic. (safety buckle)
- (6) Red plastic. (buckle)
- (7) Black woven fabric. (belt)
- (8) White cord. (on chair)
- (9) Golden color metal. (screw/nut)
- (10) Black plastic. (small cap)
- (11) White adhesive paper with transparent plastic film and underlying coatings. (sticker)
- (12) Silver color metal excluding coating. (stick)
- (13) Silver color metal. (U-ring)

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) 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 Shenzhen Ltd. Remark: *The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of China.*

