

**Test Report**

Number: SHAH01248776

Applicant: ZHEJIANG LEBEI CHILDREN'S PRODUCTS CO.,LTD  
NO.111 JINCHUAN ROAD,XINQIAN,HUANGYAN,STREET  
TAIZHOU,ZHEJIANG,CHINA  
Attn: HE BAO YONG

Date: 26 Aug, 2020

Sample Description:

Two(2) sets of submitted sample said to be :

Item Name : **Baby Sliding Bike.**  
Item No. : **LB1603.**  
Quantity : 2 sets.  
Labelled Age Group : Not Specified.  
Packaging Provided By Applicant : No.  
Buyer : ZHEJIANG LEBEI CHILDREN'S PRODUCTS CO.,LTD  
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, Shanghai, Ningbo Branch



Peter Chen  
General Manager



## Test Report

Number: SHAH01248776

### Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-17 Physical And Mechanical Tests	Pass
	U.S. ASTM F963-17 Flammability Test of Materials Other Than Textile Materials	Pass
Tested Component of Submitted Sample	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
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
	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. ASTM F963-17 for total Lead content	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
	EN 71-3:2019 on migration of certain elements	Pass
	EN 71-3: 2019 on migration of certain elements & EU 2019/1922 amending 2009/48/EC (effective from May, 20,2021) for Aluminium (Al) migration	Pass

\*\*\*\*\*  
To be continued

Authorized By:  
Intertek Testing Services Ltd, Shanghai, Ningbo Branch



Peter Chen  
General Manager



## Test Report

Number: SHAH01248776

### Tests Conducted

#### 1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For ages from 1 years to 3 years

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
Impact Test	Section 1500.51(b)	10 x 4.5 ft
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

Section	Testing Items	Assessment
4.1	Material Quality	P
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 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	P
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	P
4.19	Simulated Protective Devices	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



## Test Report

Number: SHAH01248776

### Tests Conducted

Section	Testing Items	Assessment
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	Yo Yo 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	#1
	- Name of Producer/Distributor	No
	- Address	No

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

#1 = The final product or its packaging must be marked with the name and address of the producer or distributor as specified in section 7.1 of U.S. ASTM F963.

Date Sample Received: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 25 Aug, 2020

\*\*\*\*\*  
To be continued

## Test Report

Number: SHAH01248776

### Tests Conducted

#### 2 Flammability Test

As per 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

#### 3 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.

Tested Sample/Component	Result (ppm)	Limit (ppm)
(2+3+4)	<10	100
(5+6)	<10	100
(7)	<10	100
(8+9)	<10	100
(10)	<10	100
(11)	<10	100

Remark: ppm = Parts per million = mg/kg

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

Date Sample Received: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 13 Aug, 2020

#### 4 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 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Sample/ Component	Result (ppm)	Limit (ppm)
(1)	<20	90

Remark: ppm = Parts per million = mg/kg

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

Date Sample Received: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 13 Aug, 2020

\*\*\*\*\*  
To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

5 Phthalate Content

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

Test item	Result (%)			Limit (%) (Max.)
	(1)	(2+3+4)	(5+6)	
Dibutyl phthalate (DBP)	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	0.1

Test item	Result (%)		Limit (%) (Max.)
	(7)	(8+9)	
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: 07 Aug, 2020  
 Testing Period: 07 Aug, 2020 To 12 Aug, 2020

\*\*\*\*\*  
 To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

6 Total Lead (Pb) Content

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

( I ) Surface coating

Tested component	Result in ppm	Limit (ppm)
(1)	<20	90

( II ) Non-surface coating

Tested component	Result in ppm	Limit (ppm)
(2+3+4)	<10	100
(5+6)	<10	100
(7)	<10	100
(8+9)	<10	100
(10)	<10	100
(11)	<10	100

Remark: ppm = parts per million = mg/kg

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

Date Sample Received: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 13 Aug, 2020

\*\*\*\*\*  
To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

7 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.

	Result (ppm)	Limit (ppm)
	(1)	
Sol. Barium (Ba)	801	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<2.5	25

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

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

Date Sample Received: 07 Aug, 2020  
Testing Period: 07 Aug, 2020 To 13 Aug, 2020

\*\*\*\*\*  
To be continued





**Test Report**

Number: SHAH01248776

Tests Conducted

8 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.

	Result (ppm)				Limit (ppm)
	(2) to (6)	(7)	(8)	(9)	
Sol. Barium (Ba)	<5	22	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	60
Sol. Arsenic (As)	<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.

Date Sample Received: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 13 Aug, 2020

\*\*\*\*\*  
To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

9 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3:2019 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

Element	Result (mg/kg)				Limit (mg/kg)
	(1)#	(2) to (6)	(7)	(8)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000/28130◎
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	801	< 10	22	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) **	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin **	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

Element	Result (mg/kg)	Limit (mg/kg)
	(9)	
Aluminium (Al)	< 300	70000/28130 <sup>©</sup>
Antimony (Sb)	< 10	560
Arsenic (As)	< 10	47
Barium (Ba)	< 10	18750
Boron (B)	< 50	15000
Cadmium (Cd)	< 5	17
Chromium (III) (Cr III) <sup>++</sup>	< 10	460
Chromium (VI) (Cr VI) <sup>++</sup>	< 0.025	0.053
Cobalt (Co)	< 10	130
Copper (Cu)	< 10	7700
Lead (Pb)	< 10	23
Manganese (Mn)	< 10	15000
Mercury (Hg)	< 10	94
Nickel (Ni)	< 10	930
Selenium (Se)	< 10	460
Strontium (Sr)	< 100	56000
Tin (Sn)	< 10	180000
Organic tin <sup>++</sup>	< 3.0	12
Zinc (Zn)	627	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.

© = The new Aluminium (Al) migration limit [2250mg/kg for Category (I), 560mg/kg for Category (II), 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

# = 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.

To be continued



**Test Report**

Number: SHAH01248776

Tests Conducted

(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: 07 Aug, 2020

Testing Period: 07 Aug, 2020 To 13 Aug, 2020

\*\*\*\*\*

To be continued



## Test Report

Number: SHAH01248776

### Tests Conducted



### Components:

- (1) White coating on metal.
- (2) Black plastic.
- (3) Yellow plastic.
- (4) White plastic.
- (5) Beige plastic.
- (6) Cream color plastic(seat).
- (7) Transparent soft plastic film with multicolor printing(sticker).
- (8) Grey foam(wheel).
- (9) Cream color foam(handle).
- (10) Slivery metal(pole).
- (11) Slivery 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.*

