

**Test Report**

Number: SHAH01589266

Applicant: SHANGHAI HAPPY CHILDREN FACTORY  
NO.1002, XINJIANFENG,  
JINGYANG VILLAGE, LANG XIA TOWN,  
JIN SHAN DISTRICT, SHANGHAI

Date: 28 Jul, 2023

Sample Description:

One(1) group of submitted sample said to be :  
Item Name : Battery Operated car,Ride-On Car  
Item No. : A017  
Labelled Age Group : 18months+  
Packaging Provided By Applicant : Yes  
Goods Exported To : USA  
Country Of Origin : China

Tests Conducted:

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

Conclusion:

Tested Sample	Standard	Result
Submitted Sample	U.S. ASTM F963-17 For Physical And Mechanical Tests Excluding section 4.25, 5.15.1, 6.5, 6.6,7.2	Pass
Submitted Sample	U.S. ASTM F963-17 For Flammability Test of Materials Other Than Textile Materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 section 4.3.5.2(2)(a)(b) for heavy metal elements test on non-surface coating materials	Pass
Tested Components 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
Tested Components 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

Remark:

As Requested By Client, Toxic Elements Contents Were Conducted On The Component(2)(3)(4)(6)(10)&(13)-(16)&(20)-(23)(26)-(29)Listed In The Test Report. Client Claimed That Other Than These Components Have Been Tested In Our Test Report SHAH01573211S1 dated Jun 09, 2023.

As Requested By Client, Phthalates Contents Were Conducted On The Component (2)-(7)&(11)-(16)&(20)-(24)Listed In The Test Report. Client Claimed That Other Than These Components Have Been Tested In Our Test Report SHAH01573211S1 dated Jun 09, 2023.

Prepared And Checked By:  
For Intertek Testing Services Wuxi Ltd.



Bill Zhang  
General Manager



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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: Over 18 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 1500.53(b)	3 times
Torque Test	Section 1500.3(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality	P
4.5	Sound-Producing Toys	P
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	P
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	P
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	NR#
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



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### Tests Conducted

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
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	#*
	- Name of Producer/Distributor (Toy / Package)	No
	- Address (Toy / Package)	No

Remark: 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.

P = Pass

NA = Not Applicable

\* = 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.

# = As applicant's request, The section 4.25, 5.15.1, 6.5, 6.6,7.2 for Battery-powered Ride-on Toys was not assessed

Date Sample Received: 06 Jul, 2023 & 28 Jul, 2023

Testing Period: 06 Jul, 2023 to 28 Jul, 2023

## 2 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-17.

Result = Did Not Ignite

Date Sample Received: 06 Jul, 2023

Testing Period: 06 Jul, 2023 to 14 Jul, 2023

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Tests Conducted

3 Heavy Metal Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(2)(a)(b) of the ASTM standard consumer safety specification on toy safety F963-17, CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3 and acid extraction method were used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>									<u>Limit (ppm)</u>
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<2.5	25

	<u>Result (ppm)</u>									<u>Limit (ppm)</u>
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<2.5	25

	<u>Result (ppm)</u>									<u>Limit (ppm)</u>
	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(29)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<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: 06 Jul, 2023  
Testing Period: 06 Jul, 2023 to 27 Jul, 2023

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### 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>
(2+3+4)	ND	100
(5+6+7)	13	100
(8+9+10)	ND	100
(11+12+13)	ND	100
(14+15)	ND	100
(16)	28	100
(17)	ND	100
(18)	12	100
(19)	ND	100
(20+21)	ND	100
(22+23)	ND	100
(24)	ND	100
(25)	ND	100
(26)	ND	100
(27)	ND	100
(29)	ND	100
(30)	29	100
(31)	ND	100
(32)	ND	100
(33+34)	ND	100
(35+36)	ND	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: 06 Jul, 2023

Testing Period: 06 Jul, 2023 to 27 Jul, 2023

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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)	(9)	(2+3+4)	(5+6+7)	(11+12+13)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl)phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.1

Test item	Result (%)					Limit (%) (Max.)
	(14+15)	(16)	(20+21)	(22+23)	(24)	
Dibutyl phthalate (DBP)	ND	0.01	ND	ND	ND	0.1
Di-(2-ethylhexyl)phthalate (DEHP)	ND	0.01	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	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.

Remark: ND = Not Detected  
 Detection Limit = 0.01%

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

Date Sample Received: 06 Jul, 2023  
 Testing Period: 06 Jul, 2023 to 27 Jul, 2023

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Tests Conducted

Photo



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Tests Conducted

The Samples Were Submitted By The Client, Only For Reference



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### Components List:

- (1) Black coating on metal(front fork).
  - (2) Black plastic(mirror, handlebar cover).
  - (3) Black plastic(handlebar).
  - (4) Black plastic(front window).
  - (5) Transparent plastic(front light).
  - (6) Black plastic(front wheel cover).
  - (7) Black plastic(wheels).
  - (8) Black plastic(seat).
  - (9) Red Transparent plastic(tail light).
  - (10) Red plastic(on body).
  - (11) Black plastic(foot pedal).
  - (12) Grey plastic(accelerator pedal).
  - (13) White plastic(coupling of wheel).
  - (14) Beige plastic(connected part of wire).
  - (15) Black plastic(power port of charger).
  - (16) Black plastic(training wheel).
  - (17) Red transparent plastic with white printing(button).
  - (18) Black plastic with white printing(button).
  - (19) Black plastic with beige printing(charger).
  - (20) Yellow soft plastic with black printing(wire covering).
  - (21) Green soft plastic with black printing(wire covering).
  - (22) Orange soft plastic with black printing(wire covering).
  - (23) Blue soft plastic with black printing(wire covering).
  - (24) Black soft plastic with white printing(charger wire).
  - (25) Black soft plastic(charger wire end).
  - (26) Silver reflect sticker(mirror).
  - (27) White adhesive plastic film with green, red , black printing(seat tail).
  - (28) White adhesive plastic film with multi-color printing(GPS).
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- (29) White adhesive plastic film with red, black printing(warning sticker).
- (30) Silver color metal(charger plug).
- (31) Silver color metal excluding coating(front fork).
- (32) Silver color metal(nut).
- (33) Silver color metal(bolt beside button).
- (34) Black color metal(screw).
- (35) Silver color metal(washer on chassis).
- (36) Silver color metal(training wheel).

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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 Wuxi Ltd.*

