

Test Report

Number: SHAH01113570S201

Applicant: SHANGHAI ZHENBAO INDUSTRIAL CO., LTD.
ROOM 102,XINFENG HIGHWAY ROAD
Nr. 4972,FENGXIAN DISTRICT
SHANGHAI CHINA
Attn: MARK YAN

Date: Aug 02, 2019

THIS IS TO SUPERSEDE REPORT NO.
SHAH01113570S1 DATED Jul 23, 2019

Sample Description:

Item Name : Children Ride On Car
Item No. : ZB188
Age Group for testing : Not For Children Under 3 Years
Manufacture : Shanghai Zhenbao Industrial Co.,Ltd

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 Excluding section 4.25, 5.15, 6.5,6.6 and 7.2	Pass
	U.S. ASTM F963-17 – Flammability Test of Materials Other Than Textile Materials	Pass
Tested components of submitted sample	U.S. ASTM F963-17 for soluble elements content in surface coating	Pass
Tested components of submitted sample	U.S. ASTM F963-17 section 4.3.5.2(2)(b) for soluble elements content for non-surface coating materials	Pass
	U.S. ASTM F963-17 for total Lead content	Pass
	U.S. CFR Title 16 (CPSC Regulations)- Part 1303 total Lead content	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

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Young Zhu
Vice President



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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: For ages 3 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>
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

<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)	NA
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	P
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	NC#1
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



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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
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#1
6	Instructional Literature	P#1
7	Producer's Markings	#1
	- Name of Producer/Distributor (Toy & Packaging)	Yes
	- Address (Toy & Packaging)	Yes

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 NC= Not Conducted

#1 = As applicant's request, section 4.25, 5.15, 6.5, 6.6 and 7.2 for Battery-operated Toys were not assessed.

Date Sample Received: Jun.28, 2019 & Jul.2, 2019 & Jul.31, 2019

Testing Period: Jun.28, 2019 to Aug.2, 2019

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

Date Sample Received: Jun.28, 2019 & Jul.2, 2019

Testing Period: Jun.28, 2019 to Jul.19, 2019

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Tests Conducted

3 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.

	(1)	Result (ppm) (3)	(4)	Limit (ppm)
Sol. Barium (Ba)	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg
spl.wt. = sample weight

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

The sample weight in brackets were for soluble heavy metal elements analysis only.

Remark: @ = Since the sample weight of the components(2)(5) were less than 10 mg, soluble elements analysis was not conducted. Only total Lead content was tested.

Date Sample Received: Jun.28, 2019
Testing Period: Jun.28, 2019 to Jul.17, 2019

4 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)
	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<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	<2.5	<2.5	<2.5	<2.5	25

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	(19)	(20)	(21)	(22)	(23)	<u>Result (ppm)</u>		(26)	(27)	(28)	(29)	(30)	<u>Limit (ppm)</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	40	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<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	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg
spl.wt. = sample weight

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

The sample weight in brackets were for soluble heavy elements analysis only.

Date Sample Received: Jun.28, 2019
Testing Period: Jun.28, 2019 to Jul.17, 2019

5 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 and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1+2)	<20	90
(3+4+5)	<20	90

(II) Non-surface coating

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11+12+13)	<10	100
(14+15+16)	<10	100
(17+18+19)	<10	100
(20+21+22)	<10	100
(23+24)	<10	100
(25+26+27)	<10	100
(28)	<10	100
(29)	<10	100
(31+32+33)	<10	100
(34)	<10	100
(35+36+37)	<10	100



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Tests Conducted

Remark: ppm = parts per million = mg/kg

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

Date Sample Received: Jun.28, 2019

Testing Period: Jun.28, 2019 to Jul.17, 2019

6 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)	(7)	
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

Test item	Result (%)				Limit (%) (Max.)
	(8)	(9)	(10)	(11+12+13)	
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

Test item	Result (%)				Limit (%) (Max.)
	(14+15+16)	(17+18+19)	(20+21+22)	(23+24)	
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

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Test item	Result (%)			Limit (%) (Max.)
	(28)	(29)	(25+26+27)	
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

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.



Picture of sample

Date Sample Received: Jun.28, 2019 & Jul.11, 2019

Testing Period: Jun.28, 2019 to Jul.15, 2019

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Tests Conducted

Components List:

- (1) Black coating on metal. (on frame) (spl.wt. = 42 mg)
- (2) Blue coating on metal. (on logo)
- (3) Silver color coating on plastic. (cover of wheel & steering wheel) (spl.wt. = 29 mg)
- (4) Bright silver color coating on plastic. (head) (spl.wt. = 30 mg)
- (5) White coating on plastic. (on switch)
- (6) White adhesive plastic film with underlying coatings. (sticker)
- (7) White adhesive paper with transparent plastic film and underlying coatings. (sticker on remove control)
- (8) Transparent adhesive plastic film with underlying coatings. (screen on dashboard)
- (9) Silver color adhesive plastic film. (on gas pedal & rear view)
- (10) Transparent adhesive soft plastic with silver color plastic film. (rear logo & on steering wheel)
- (11) Black plastic. (all main parts)
- (12) Red plastic. (body)
- (13) Transparent plastic. (front light & on dashboard)
- (14) Beige plastic. (dashboard & seat & steering wheel)
- (15) Transparent black plastic. (windshield)
- (16) Transparent red plastic excluding coatings. (switch on dashboard)
- (17) Transparent red plastic. (rear light)
- (18) Black plastic. (gear box)
- (19) White plastic. (coupling)
- (20) White plastic. (on wheel)
- (21) Transparent red plastic. (light on remove control) (spl.wt. = 62 mg)
- (22) White plastic. (remove control)
- (23) Transparent soft plastic. (gear shift) (spl.wt. = 42 mg)
- (24) Blue soft plastic. (on remove control)
- (25) Red soft plastic. (wire skin)
- (26) Black soft plastic. (wire skin)
- (27) Black soft plastic. (wire protect)
- (28) Black foam. (tyre)
- (29) Black synthetic fabric. (shoulder protect)
- (30) Black woven fabric. (safety tape)

To be continued



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Tests Conducted

Components List:

- (31) Silver color metal. (screw & rivet)
- (32) Silver color metal excluding coatings. (frame)
- (33) Silver color metal excluding coating. (logo)
- (34) Silver color metal with black treatment. (screw & nut & washer)
- (35) Silver color metal. (lock of key)
- (36) Silver color metal. (key)
- (37) Silver color metal. (O-ring on key)
- (38) Dull beige plastic. (in nut)
- (39) Dull beige plastic. (on motor)
- (40) Semi-transparent plastic. (motor protect & battery protect)
- (41) Beige plastic. (inside plug)
- (42) Semi-transparent plastic. (inside plug)
- (43) Red plastic. (inside plug)
- (44) Black plastic. (inside plug)
- (45) White plastic. (inside plug)
- (46) White plastic. (inside belt)
- (47) Blue plastic. (protect of PCB board)
- (48) Transparent plastic. (led light inside)
- (49) White plastic. (gear inside gear box)
- (50) Black plastic. (battery)
- (51) Red plastic. (on battery)
- (52) Black plastic. (on battery)
- (53) PCB board. (inside)
- (54) Transparent soft plastic. (wire protect inside)
- (55) Semi-transparent soft plastic. (inside back of switch)

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.



To: SHANGHAI ZHENBAO INDUSTRIAL CO., LTD.

Attention: MARK YAN

Date: Aug 02, 2019

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH01113570S1 Dated 23 Jul, 2019.

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 **SHAH01113570S201**.

Reason for report revision: Report separation.

Thank you for your attention.

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Young Zhu
Vice President

