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Test Report Number: SHAH01113570S202

Applicant: SHANGHAI ZHENBAO INDUSTRIAL CO., LTD.
ROOM 102,XINFENG HIGHWAY ROAD
#4972,FENGXIAN BAY TOURISM
ZONE SHANGHAI CHINA
Attn: MARK YAN

Date: Aug 02, 2019

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

Sample Description:

One (1) piece of submitted sample said to be : Children Ride On Car

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

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Tests Conducted:

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

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Conclusion:

Tested sample	Standard	Result
Submitted Sample Set	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties Excluding Clause 4.15.1.2 and 7.10	Pass
	EN71-2: 2011+A1: 2014 Flammability Test	Pass
	EN 62115: 2005 + A12: 2015 for Safety of Electric Toy Excluding Clause 7.1 ,7.4,7.5,Annex E, ZB and ZC	Pass (Subjected to remarks enclosed)
Tested components of submitted sample	EN 71-3:2013+A3:2018 on migration of certain elements	Pass
	EN 71-3:2013+A3:2018 on migration of certain elements & EU 2018/725 amending 2009/48/EC (effective from Nov 18,2019) for chromium (VI) migration	Pass
	Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006	Pass
	Phthalates content requirement in Annex XVII Item 51of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC)	Pass

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To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Young Zhu
Vice President

INTERTEK TESTING SERVICES LTD., SHANGHAI 上海天祥质量技术服务有限公司 检验检测专用章

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Test Report Number: SHAH01113570S202

Tests Conducted

1 Mechanical and Physical Test

As Per European Standard on Safety of Toys EN71-1: 2014+ A1: 2018.

Applicant's Specified Age Group for Testing: For ages 3 years and up.

The submitted samples were undergone the following abuse tests:		
Test	Clause	Parameter
Protective Components	8.4.2.3	60 N

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P#
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	P
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for Children under 36 Months	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA

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Clause	Testing Items	Assessment
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P#
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	#
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

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Tests Conducted

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To be continued

Remark： P = Pass NA = Not Applicable

\# = As requested by the applicant, Clause 4.15.1.2 and 7.10 were not assessed.

Remark：Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

Manufacturer's name and address was on the product & Packaging.

- Importer’s name and address was missed.
- Product identification code was missed.
- CE-marking was on the product & packaging.

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 European Standard on Safety of Toys EN71-2: 2011+A1: 2014

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features, which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features, which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Flowing elements of toys to be worn on the head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark： P = Pass NA = Not Applicable

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

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

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To be continued

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Tests Conducted

3 Safety of Electric Toys

As per European standard EN 62115: 2005 + A12: 2015 on safety of electric toys.

Applicant's specified age group for testing : For ages 3 years and up.

Power source : 3 V, LR03 size x 2 pcs in remote control (Replaceable)
12 V, 7.0 Ah, Lead-acid rechargeable battery x 1pcs in vehicle (Non-replaceable)

Charger type : Input 120 V A.C., Output 12 V D.C.(Provided)
Charger model : LK-DC-120100

Electric operated function : Battery powered motion, sound and LED light.

Clause	Testing items	Assessment
1	Scope	--
2	Normative references	--
3	Definitions	--
4	General requirement	--
5.13	Battery polarity reversed	P
6	Criteria for reduced testing	--
7	Marking and instructions	P See Remark (1)
8	Power input	NA
9	Heating and abnormal operation	P See Remark (2)
10	Electric strength at operating temperature	P
11	Moisture resistance	P
12	Electric strength at room temperature	P
13	Mechanical strength	P
14	Construction	P
15	Protection of cords and wires	P
16	Components	P See Remark (3)
17	Screws and connections	P
18	Creepage distances and clearances	P
19	Resistance to heat and fire	P
20	Radiation, toxicity and similar hazards	See Remark (4)

P = Pass NA = Not applicable

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To be continued

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Remark：
(1) As request by the applicant, packaging of Clause 7.1 ,7.4,7.5 was not assessed.

(2) As request by the applicant, the Annex ZB circuit influence from electromagnetic phenomena (EMP) was not assessed.

(3) Applicant needs to ensure that components used in toys including charger as specified in Clause 16.1and 16.4 comply with relevant IEC safety standards and meet the national deviation of the importing countries.

(4) This test only covers the essential safety requirements concerning electrical properties on the safety of toys and in order to comply with EN 62115: 2005 + A12: 2015, electrical toys shall comply class 1 accordance with IEC 60825-1 or EN 60825-1 for the lasers and light emitting diodes (LED). Toys with an integrated field source generating EMF shall comply with EN 62233.

Date Sample Received：Jun.28, 2019 & Jul.2, 2019
Testing Period：Jun.28, 2019 to Jul.19, 2019

4 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3:2013+A3:2018 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)#	(3)#	(4)	(6)	(7)	(8)	(9)	
Aluminium (Al)	< 300	20700	2170	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) $^{++}$	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) $^{++}$	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.2/0.053◎
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin $^{++}$	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	46000

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To be continued

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Element	Result (mg/kg)							Limit (mg/kg)
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ++	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.2/0.053◎
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)							Limit (mg/kg)
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ++	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.2/0.053◎
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	46000

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To be continued

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Element	Result (mg/kg)							Limit (mg/kg)
	(24)	(25)	(26)	(27)	(28)	(29)	(30)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	40	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ++	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.2/0.053◎
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	110	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	46000

Remark: mg/kg = Milligram per kilogram
spl. wt. = Sample weight
++ = 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 chromium (VI) migration limit [(0.053mg/kg for Category (III)] were quoted from directive (EU) 2018/725 amending 2009/48/EC effective from 18 November 2019.

= 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.

@ = Since the sample weight of the components (2)&(5) were less than 10 mg, soluble heavy metal analysis was not applicable.

The sample weight in bracket(s) were for soluble toxic elements analysis only.

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To be continued

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

5 Cadmium (Cd) content

With reference to methods EN 1122 (Method B)/ IEC 62321:2008/ ISO 11885:2007, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested component	Result in %
(1+2)	ND
(3+4+5)	ND
(6)	ND
(7)	ND
(8)	ND
(9)	ND
(10)	ND
(11+12+13)	ND
(14+15+16)	ND
(17+18+19)	ND
(20+21+22)	ND
(23+24)	ND
(25+26+27)	ND
(28)	ND
(29)	ND
(38+39+40)	ND
(41+42+43)	ND
(44+45+46)	ND
(47+48)	ND
(49+50)	ND
(51+52)	ND
(53)	ND
(54)	ND
(55)	ND

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To be continued

Requirement:	
Category	Limit (%)
Paints with codes [3208] and [3209]	0.01
Paints with codes [3208] [3209] with a zinc content exceeding 10 % by weight of the paint	0.1
Painted article	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark: ND = not Detected (<0.0005%)

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 ISO 8124-6: 2018 method A or C, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

I. Annex XVII Item 51

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(1+2)	(3+4+5)	(6)	(7)@	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	ND	ND	0.1

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(8)@	(9)	(10)	(11+12+13)	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	ND	ND	0.1

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(14+15+16)	(17+18+19)	(20+21+22)	(23+24)	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	ND	ND	0.1

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To be continued

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Test Report Number: SHAH01113570S202

Tests Conducted

Tested Compound	CAS No.	Result (%,w/w)		Limit (%,w/w)
		(28)	(29)	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	0.1

The above limit was quoted according to Annex XVII Item 51of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009& Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.

For toys and childcare articles, DIBP limit was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

For non-toys and non-childcare articles, DBP, DEHP, BBP, DIBP limit was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

II. Annex XVII Item 52

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(1+2)	(3+4+5)	(6)	(7)@	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	ND	-
Sum of DINP, DNOP and DIDP	--	ND	ND	ND	ND	0.1

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(8)@	(9)	(10)	(11+12+13)	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	ND	-
Sum of DINP, DNOP and DIDP	--	ND	ND	ND	ND	0.1

Tested Compound	CAS No.	Result (%,w/w)				Limit (%,w/w)
		(14+15+16)	(17+18+19)	(20+21+22)	(23+24)	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	ND	-
Sum of DINP, DNOP and DIDP	--	ND	ND	ND	ND	0.1

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To be continued

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Test Report Number: SHAH01113570S202

Tests Conducted

Tested Compound	CAS No.	Result (%,w/w)		Limit (%,w/w)
		(28)	(29)	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	-
Sum of DINP, DNOP and DIDP	--	ND	ND	0.1

The above limit was quoted according to Annex XVII Item 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 for phthalate content in toys and childcare articles.

Remark: Detection Limit = 0.01%(w/w)
ND = Not Detected

@ = As requested by the applicant, the surface coatings were tested with the substrate for phthalate test. With the consideration of the dilution factor, the testing result may not represent the result of the individual coatings and substrate.

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

Date Sample Received: Jun.28, 2019 & Jul.11, 2019
Testing Period: Jun.28, 2019 to Jul.15, 2019

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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To be continued

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Test Report Number： SHAH01113570S202

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)

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To be continued

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Test Report Number： SHAH01113570S202

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)

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End of report

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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 **SHAH01113570S202**.

Reason for report revision：Report separation.

Thank you for your attention.

Authorized By：
For Intertek Testing Services Ltd., Shanghai

Young Zhu
Vice President

INTERTEK TESTING SERVICES LTD., SHANGHAI 上海天祥质量技术服务有限公司 检验检测专用章

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