

Test Report

Number: SHAH01674045S1

Applicant: YIWU ZHIHUIXING TOYS CO.,LTD
189 QIUSHI ROAD, BEIYUAN DISTRICT, YIWU,
ZHEJIANG, CHINA.
Attn: ZHAN JIAN FENG

Date: 05 Jun,2024

THIS IS TO SUPERSEDE REPORT NO.
SHAH01674045 DATED 15 May, 2024

Sample Description:

Two(2) sets of submitted sample said to be :
Item Name : **RIDE ON CAR.**
Item No. : **6551.**
Quantity : 2 Sets.
Packaging Provided By Applicant : Yes.
Labelled Age Group : Not Specified.
Country Of Origin : China.

Tests Conducted:

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

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-23 Physical and Mechanical Tests.	Pass
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass
	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
	EN71-2: 2020 Flammability Test	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674045S1

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested Components of Submitted Sample	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 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 non-surface coating materials (substrate)	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 F963-23 for soluble elements content	Pass
	U.S. ASTM F963-23 for total Lead content in surface coating	Pass
	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass
	ASTM F963-23 section 4.3.8 on Phthalates content	Pass
	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
	Lead content requirement in Commission Regulation (EU) 2015/628 of 22 April 2015 Amending Annex XVII item 63 of the REACH Regulation (EC) No. 1907/2006	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 51&52 of 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
	AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) content	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) content in Annex XVII Item 50 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 1272/2013	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674045S1

Tests Conducted

1 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages 1.5 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>
Impact test	Section 1500.53(b)	4 x 3.0 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
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.		

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	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 children at least 36 months but less than 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	P
4.18	Holes, clearance, and accessibility of mechanisms	P
4.19	Simulated protective devices (such as helmets, hats and goggles)	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



Test Report

Number: SHAH01674045S1

Tests Conducted

Section	Requirement	Result
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
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	Yoyo 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	
7.1	Name of producer/distributor	Yes
	Address	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Abbreviation: P = Pass NA= Not Applicable

Date Sample Received: 02 Apr, 2024 & 10 May, 2024

Testing Period: 02 Apr, 2024 To 10 May, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

2 **Flammability Test**

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 09 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

3 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 1.5 years and up

The submitted samples were undergone the following abuse tests:		
Test	Clause	Parameter
Torque Test	8.3	0.34 Nm
Tension Test	8.4.2.1	90 N
Protective Components	8.4.2.3	60 N
Drop Test	8.5	850 mm x 5times
Impact Test	8.7	1 kg
Compression Test	8.8	110 N

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material cleanliness	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	NA
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



Test Report

Number: SHAH01674045S1

Tests Conducted

Clause	Testing Items	Assessment
4.27	Flying toys	NA
5	Toys intended for Children under 36 Months	
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
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	NA
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	P
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	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	NA



Test Report

Number: SHAH01674045S1

Tests Conducted

Clause	Testing Items	Assessment
	months	
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

Remark: P = Pass

NA = Not Applicable

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN 71 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.

After checking, it was found that:

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Present	Present
CE-marking	Absent	Present

Below is additional information checking according to the UK Toy (Safety) Regulations requirement.

Marking

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself.

After checking, it was found that:

	Toy	Packaging
Name of authorised representative in Great Britain	Absent	Absent
Address of authorised representative in Great Britain	Absent	Absent
Product identification code	Present	Present

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy published on 1 September 2020.

After checking **UKCA marking**, it was found that:

	Toy	Packaging
UKCA marking	Absent	Absent

Date Sample Received: 02 Apr, 2024 & 10 May, 2024

Testing Period: 02 Apr, 2024 To 10 May, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

4 Flammability Test

As per European Standard on Safety of Toys EN71-2: 2020

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 pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements 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	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: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 09 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

5 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>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<20	90

The limit was quoted according to 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: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 08 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

6 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>
(3+4+5)	<10	100
(6+7+8)	<10	100
(9)	<10	100
(10)	<10	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: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

7 Phthalate Content

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

Test item	Result (%)				Limit (%) (Max.)
	(2)	(3+4+5)	(6+7+8)	(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.

Remark: ND = Not Detected
Detection Limit = 0.01%

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued

Test Report

Number: SHAH01674045S1

Tests Conducted

8 Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)			Reporting Limit	Limit
	(1)	(3)to(8)	(10)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	2.5	25

Remark: mg/kg = milligram per kilogram =ppm
Sol. = Soluble
ND= Not detected (Less than reporting limit)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

9 Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Test Item</u>	<u>Result in ppm</u>	<u>Reporting Limit</u>	<u>Limit</u>
	(1)	(ppm)	(ppm)
Lead(Pb)	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 08 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

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

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm				Reproting Limit	Limit
	(3+4+5)	(6+7+8)	(9)	(10)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

11 Phthalates Content (ASTM F963-23)

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

Test item	Result (%)				Detection Limit (%)	Limit (%) (Max.)
	(2)	(3+4+5)	(6+7+8)	(10)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.01	0.1

Remark: ND = Not Detected (Less than detection limit)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

12 19 Toxic Element Migration Test
(A) Test Result

As per EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(2)#	(3)to(8)	(10)		
Aluminium (Al)	445	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	10	47
Barium (Ba)	11	ND	ND	10	18750
Boron (B)	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	100	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.

ND = Not detected (less than reporting limit)

= 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: SHAH01674045S1

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: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

13 Lead (Pb) Content

With reference to method IEC 62321-5:2013, microwave digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (%)	Limit (%)
(1)	ND	0.05
(3+4+5)	ND	0.05
(6+7+8)	ND	0.05
(9)	ND	0.05
(10)	ND	0.05

Remark: ND = Not Detected (Less than detection limit)
Detection Limit = 0.001%

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

14 Cadmium (Cd) Content

With reference to methods EN 1122:2001 (Method B), acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1)	ND
(3+4+5)	ND
(6+7+8)	ND
(10)	ND

Requirement:	
<u>Category</u>	<u>Limit (%)</u>
Painted article	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark: % = Percentage based on dry weight of sample
ND = Not Detected (<0.0005%)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued

Test Report

Number: SHAH01674045S1

Tests Conducted

15 Phthalate Content

With reference to ISO 8124-6: 2018, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

I. Annex XVII Item 51

Test Item	CAS No.	Result (%w/w)				Reporting Limit (%w/w)	Limit (%w/w)
		(2)	(3+4 +5)	(6+7 +8)	(10)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.005	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.005	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.005	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.005	-
Sum of DBP, DEHP, BBP and DIBP	-	ND	ND	ND	ND	-	0.1

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

II. Annex XVII Item 52

Test Item	CAS No.	Result (%w/w)				Reporting Limit (%w/w)	Limit (%w/w)
		(2)	(3+4 +5)	(6+7 +8)	(10)		
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	0.005	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	ND	0.005	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	ND	0.005	-
Sum of DINP, DNOP and DIDP	-	ND	ND	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: ND = Not Detected(Less than reporting limit)

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 30 Apr, 2024

To be continued

Test Report

Number: SHAH01674045S1

Tests Conducted

16 Polycyclic Aromatic Hydrocarbons (PAHs) Content

As Per AfPS GS 2019:01 PAK, by solvent extraction and determined by Gas Chromatography – Mass Spectrometer (GC/MS).

(I) Test Results:

Test Item	CAS No.	Result (in mg/kg)	
		(7)	(10)
1. Phenanthrene	85-01-8	ND	ND
2. Anthracene	120-12-7	ND	ND
3. Fluoranthene	206-44-0	ND	ND
4. Pyrene	129-00-0	ND	ND
Sum (4 PAHs):	--	ND	ND
5. Naphthalene	91-20-3	ND	ND
6. Benzo(a)Anthracene	56-55-3	ND	ND
7. Chrysene	218-01-9	ND	ND
8. Indeno(1,2,3-cd)Pyrene	193-39-5	ND	ND
9. Benzo(b)Fluoranthene	205-99-2	ND	ND
10. Benzo(k)Fluoranthene	207-08-9	ND	ND
11. Benzo(a)Pyrene	50-32-8	ND	ND
12. Dibenzo(a,h)Anthracene	53-70-3	ND	ND
13. Benzo(g,h,i)Perylene	191-24-2	ND	ND
14. Benzo(e)Pyrene	192-97-2	ND	ND
15. Benzo(j)Fluoranthene	205-82-3	ND	ND
Sum (15 PAHs):	--	ND	ND
Classification of Samples: Category		1	1

ND= Not detected (Less than reporting limit)

Reporting limit = 0.2 mg/kg

Test Report

Number: SHAH01674045S1

Tests Conducted

(II) Limits for PAHs in Products:

Parameter	Category 1	Category 2		Category 3	
--	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or -for the use by children up to 3 years of age	Materials that are not covered by Category 1, with long-term skin contact (longer than 30s) or repeated short-term skin contact if used as intended or foreseeable 2a. used by children 2b. other consumer products		Materials that are not covered by Category 1 or 2, with short-term skin contact (up to 30 s) when used as intended or foreseeable 3a. used by children 3b. other consumer products	
		2a	2b	3a	3b
Phenanthrene	--	--	--	--	--
Anthracene	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Pyrene	--	--	--	--	--
Sum (4 PAHs):	<1	<5	<10	<20	<50
Naphthalene	<1	<2	<2	<10	<10
Benzo(a)Anthracene	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	<0.2	<0.2	<0.5	<0.5	<1
Indeno(1,2,3-cd)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(b)Fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(k)Fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(a)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo(a,h)Anthracene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(g,h,i)Perylene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(e)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(j)Fluoranthene	<0.2	<0.2	< 0.5	<0.5	<1
Sum (15 PAHs):	<1	<5	<10	<20	<50

Assessment: Since no accessible plastic, rubber, synthetic fabric and lacquer / coating were found on the submitted sample or the sample weight were less than 50mg of the above-mentioned material, the testing scope of AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic hydrocarbons (PAHs) content was not applicable to the submitted sample(s).

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 04 Jun, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted

17 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK, by solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Toy for children:

<u>Test Item</u>	<u>Result (mg/kg)</u>		<u>Requirement (mg/kg)</u>
	(7)	(10)	(Max.)
Benzo(a)pyrene	ND	ND	0.5
Benzo(e)pyrene	ND	ND	0.5
Benzo(a)anthracene	ND	ND	0.5
Chrysene	ND	ND	0.5
Benzo(b)fluoranthene	ND	ND	0.5
Benzo(j)fluoranthene	ND	ND	0.5
Benzo(k)fluoranthene	ND	ND	0.5
Dibenzo(a,h)anthracene	ND	ND	0.5

Remark : The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 1272/2013 for Polycyclic Aromatic Hydrocarbons (PAHs).

ND = Not Detected
Detection limit = 0.2 mg/kg

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

Date Sample Received: 02 Apr, 2024

Testing Period: 02 Apr, 2024 To 04 Jun, 2024

To be continued



Test Report

Number: SHAH01674045S1

Tests Conducted



To be continued

Test Report

Number: SHAH01674045S1

Tests Conducted

Reference Sample



photo provided by client

Reference Sample



photo provided by client

To be continued

Test Report

Number: SHAH01674045S1

Tests Conducted

Components:

- (1) Multi-color coating on paper(sticker).
- (2) White adhesive paper with multi-color printing(sticker).
- (3) Pale grey plastic(steering wheel).
- (4) Pale grey plastic(backrest).
- (5) Pale grey plastic(wheel).
- (6) Pink plastic(body).
- (7) Pink plastic(wheel).
- (8) Black plastic(base).
- (9) Silver metal(wheel pole).
- (10) Light blue plastic.

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.



To: YIWU ZHIHUIXING TOYS CO.,LTD
Attention: ZHAN JIAN FENG

Date: 05 Jun, 2024

Re: Report Revision Notification

Intertek Testing Services Ltd.,Zhejiang Ningbo Branch Report Number SHAH01674045 Dated 15 May, 2024.

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 Ltd.,Zhejiang Ningbo Branch Report Number **SHAH01674045S1**.

Reason for report revision: Add test item.

Thank you for your attention.

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager

