

**Test Report**

Number: SHAH01612133S1

Applicant: PINGHU SHUANGXI BABY CARRIER MANUFACTURE CO., LTD.  
XINCANG TOWN, PINGHU CITY, ZHEJIANG  
PROVINCE, CHINA  
Attn: SHARON FU

Date: Mar 21, 2024

THIS IS TO SUPERSEDE REPORT NO.  
SHAH01612133 DATED Oct 30, 2023

Sample Description:

One (1) group of submitted sample said to be :  
Item Name : SX2418  
Labelled Age Group : 3-8  
Date Sample Received : 14 Sep, 2023  
Testing Period : 14 Sep, 2023 To 24 Oct, 2023

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	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
	BS EN71-1 : 2014 + A1 : 2018 - Mechanical and physical properties	Pass
	EN71-2: 2020 Flammability Test	Pass
	BS EN71-2: 2020 Flammability Test	Pass
Submitted Sample	U.S. ASTM F963-23 Physical and Mechanical Tests Excluding Section 4.25.	Pass
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass
	ASTM F963-23 Section 4.25 for Battery-Operated Toys and Battery-Powered Ride-On Toys	Pass
	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass

To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Bill Zhang  
General Manager



**Test Report**

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<u>Tested sample</u> Tested component(s) of submitted samples	<u>Standard</u>	<u>Result</u>
	U.S. 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
	BS EN 71-3:2019+A1:2021 on migration of certain elements	Pass
	Consent Judgment No. BG-350969 for Toys on phthalate content based on the California Proposition 65	Pass
	Consent Judgment No. RG-356892 for Toys on total Lead content based on the California Proposition 65	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
	Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217	Pass
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) Content Requirement in Annex XVII Entry 72 of the EU REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/1513	Pass

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To be continued

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For Intertek Testing Services Ltd., Shanghai



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General Manager



**Test Report**

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Tested sample

Standard

Tested component(s) of submitted samples U.S. ASTM F963-23 on Phthalate content

Pass

U.S. ASTM F963-23 on soluble heavy elements test

Pass

U.S. ASTM F963-23 on total Lead content in non-surface coating

Pass

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To be continued

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For Intertek Testing Services Ltd., Shanghai



Bill Zhang  
General Manager



## Test Report

Number: SHAH01612133S1

### 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 from 3 years to 8 years

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 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	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
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA



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Tests Conducted

Clause	Testing Items	Assessment
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	P
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 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

Remark: P = Pass NA = Not Applicable

Artwork of package was provided for testing

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

#### 2 Mechanical and Physical Test

As per British Standard on Safety of toys BS EN 71-1: 2014+A1: 2018.

Applicant's specified age group for testing: For ages from 3 years to 8 years

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing items</u>
8.4.2.3	Protective components (60 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	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



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### Tests Conducted

Clause	Testing items	Assessment
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 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 for children under 36 months	NA
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	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA



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Clause	Testing items	Assessment
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, inlineskates and skateboards and certain other ride-on toys	P
7.11	Toys otherwise 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 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

Abbreviation: P = Pass

NA = Not Applicable

Artwork of package was provided for testing





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## Tests Conducted

## Remark:

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the BS EN71 but are not standard requirements and not accredited:

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. In addition, toys or packaging shall also bear the CE-marking.

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. The checking is not within accreditation scope.

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



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### Tests Conducted

#### 3 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

#### 4 Flammability Test

As per British Standard on Safety of Toys BS 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



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### Tests Conducted

#### 5 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 from 3 years to 8 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 1500.53(b)	4 x 3.0 ft
Tip over test	---	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

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	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 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	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 (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA

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Section	Requirement	Result
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	#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
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 #1
6	Instructional literature	P #1
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 A= Not Applicable NR=Not Requested

#### Remark:

#1 = The results of section 4.25 for battery-powered ride-on toys were referred to the next test item.

#2 = 1:1 Artwork of package was provided for testing



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### Tests Conducted

#### 6 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.

#### 7 Battery Powered Ride-On Toys

As per ASTM F963-23 Consumer Safety Specification for Toy Safety Section 4.25, 5.14, 6.5, 6.6, 6.9 and 7.2

Applicant's specified age group for testing: For ages from 3 years to 8 years

Type of battery: 12 V, 4.5 - 4 Ah, Lead-acid rechargeable battery X 1pc for vehicle  
1.5V, LR03 size X 2pcs for remote control

Charger type: Input 100 - 240 V A.C., Output 12 V D.C. (Provided)  
Model: SD12C120050E

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

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.25.1	Battery marking	P
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	P
4.25.4	Batteries accessible	P
4.25.5	Isolation of batteries of different types or capacities	P
4.25.6	Temperature of battery surface	P
4.25.7	Temperature of battery surface or combustion hazard after normal use and abuse test	P
4.25.8	Packaging and Instruction requirement	P
	- 5.14 Non-replaceable battery statement in battery operated toys	P
	- 5.14.2 Button or coin cell batteries	NA
	- 6.5 Instruction on safe usage of battery	P
	- 6.9 Toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	NA
4.25.9	Battery-powered ride-on toys	P
4.25.9.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	P
4.25.9.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	P
4.25.9.3	A battery powered ride on toy designed with a wiring system that has a user replaceable device (fuse type) for the primary circuit protection or a wiring system with user resettable primary circuit protection (manual reset fuse) shall not actuate (open or trip) when tested in accordance with the nuisance tripping test.	NA
4.25.9.4	Switches used in battery powered ride on toys.	P
	- Polymeric materials in switches used in battery powered ride on toys that are used to support current carrying parts	



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	shall carry a minimum flame rating of UI-94 V-0 or have a glow wire ignition rating of 750°C.	
	- The switch body shall not result in a short circuit condition when subjected to the switch endurance test and overload tests.	
	- The switch shall not fail in a mode that could cause the vehicle to run continuously (switch stuck in the "on" position) when subjected to the endurance test and the overload test.	
4.25.9.5	User replaceable circuit protection devices in battery powered ride on toys.	NA
	- User replaceable circuit protection devices provided by the manufacturer in battery-powered ride-on toys shall be listed, recognized or certified by a Nationally Recognized Test Laboratory (NRTL) (that is, a laboratory recognized in accordance with 29 CFR 1910) to an appropriate electrical safety standard.	
	- All circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design which does not easily allow tempering such as a design requiring excessive force to open.	
4.25.9.6	Batteries and battery chargers.	P
	- Battery connectors must be constructed of material with a UL94 V-0 flame rating or have a glow wire ignition rating of 750°C.	
	- The battery charging system shall not present a risk of fire due to a short circuit condition applied to any point in the length of a charger/battery.	
	- During charging, battery-charging voltages shall not exceed the recommended charging voltages.	
	- Battery charges must be certified to the appropriate standard body. Reference document of certified body: 3175096	
4.25.9.7	Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire.	P
4.25.9.8	Strain relief shall be provided to prevent mechanical stress on wires entering a connector block during routine maintenance.	P
4.25.9.9	Battery powered ride on toys shall comply with the requirements for safety labelling, for additional instructional literature, and for required producer's markings.	P
	- 5.14.1 Safety warnings of battery powered ride on toys	
	- 6.6 Instructions	
	- 7.2 Producer's marking	
4.25.10	Toys that contain secondary cells or secondary batteries	NA

Remark: P = Pass NA = Not Applicable F = Fail

# = 1:1 artwork of package was provided for testing.



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8 Tracking Label Assessment

As per Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels For Children Products.

Tracking Label Found on the Artwork of Packaging:

Pinghu Shuangxi Baby Carrier Manufacture Co.,Ltd.  
Pinghu ,Zhejiang  
OCT-2023  
HLX+WJ23591

Tracking Label Found on the Product:

Pinghu Shuangxi Baby Carrier Manufacture Co.,Ltd.  
Pinghu ,Zhejiang  
OCT-2023  
HLX+WJ23591

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

9 Phthalate Content (U.S. 16 CFR Part 1307)

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

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1



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Test Item	CAS No.	Result					Units	D.L.	Limit
		6	7	8	9	10			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1

Remarks:

D.L. = Detection Limit

ND = Not detected

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

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





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Tests Conducted

10 19 Toxic Element Migration Test

With reference to BS 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

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000
Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000



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Tests Conducted

Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000

Remarks:

D.L. = Detection Limit

mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected

# = The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

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).

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

11 Phthalate Content (California Proposition 65 - Toys)

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

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Di-isodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Test Item	CAS No.	Result					Units	D.L.	Limit



**Test Report**

Number: SHAH01612133S1

Tests Conducted

		6	7	8	9	10			
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1

Remarks:

D.L. = Detection Limit

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

12 Total Lead Content (California Proposition 65 - Toys)

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Non-surface coating(Substrate)

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	100

  

Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Lead (Pb)	ND	ND	32	ND	ND	mg/kg	10	100

Remarks:

D.L. = Detection Limit

The above limit was quoted from the Consent Judgment No. RG-356892 settled by superior court of the State of California for the county of Alameda, for Toys based on the California Proposition 65.

ND = Not detected

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

13 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate) (U.S. CPSIA Section 101)

With reference to Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	100

  

Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Lead (Pb)	ND	ND	32	ND	ND	mg/kg	10	100

Remarks:

D.L. = Detection Limit

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total



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Tests Conducted  
Lead content in Non-surface coating materials.

mg/kg = parts per million = ppm  
ND = Not detected

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

- 14 19 Toxic Element Migration Test (EN 71-3:2019+A1:2021)  
With reference to 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

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000



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Tests Conducted

Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000



## Test Report

Number: SHAH01612133S1

### Tests Conducted

#### Remarks:

D.L. = Detection Limit

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected

# = The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

#### 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).

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

### 15 Cadmium (Cd) Content (EU REACH Annex XVII Entry 23)

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

Plastic

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Cadmium (Cd)	ND	ND	ND	ND	ND	%	0.0005	0.01
Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Cadmium (Cd)	ND	ND	ND	ND	ND	%	0.0005	0.01

#### Remarks:

D.L. = Detection Limit

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217, Annex XVII Entry 23 on Cadmium Content.

ND = Not detected

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

**Test Report**

Number: SHAH01612133S1

Tests Conducted

16 Phthalates Content (EU REACH Annex XVII Entry 51 & 52)

With reference to ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

For 7 phthalates

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Di-butyl phthalate (DBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-butyl phthalate (DBP) Wmax	84-74-2	ND	ND	ND	ND	ND	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wmax	117-81-7	ND	ND	ND	ND	ND	%	0.005	-
Benzyl butyl phthalate (BBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Benzyl butyl phthalate (BBP) Wmax	85-68-7	ND	ND	ND	ND	ND	%	0.005	-
Di-isobutyl phthalate (DIBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-isobutyl phthalate (DIBP) Wmax	84-69-5	ND	ND	ND	ND	ND	%	0.005	-
Sum of DBP, DEHP, BBP and DIBP Wavg	-	ND	ND	ND	ND	ND	%	0.005	0.1
Sum of DBP, DEHP, BBP and DIBP Wmax	-	ND	ND	ND	ND	ND	%	0.005	0.1
Di-iso-nonyl phthalate (DINP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-nonyl phthalate (DINP) Wmax	28553-12-0	ND	ND	ND	ND	ND	%	0.005	-
Di-n-octyl phthalate (DNOP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-n-octyl phthalate (DNOP) Wmax	117-84-0	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-decyl phthalate (DIDP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-decyl phthalate (DIDP) Wmax	26761-40-0	ND	ND	ND	ND	ND	%	0.005	-
Sum of DINP, DNOP and DIDP Wavg	-	ND	ND	ND	ND	ND	%	0.005	0.1
Sum of DINP, DNOP and DIDP Wmax	-	ND	ND	ND	ND	ND	%	0.005	0.1



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Tests Conducted

Test Item	CAS No.	Result					Units	D.L.	Limit
		6	7	8	9	10			
Di-butyl phthalate (DBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-butyl phthalate (DBP) Wmax	84-74-2	ND	ND	ND	ND	ND	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wmax	117-81-7	ND	ND	ND	ND	ND	%	0.005	-
Benzyl butyl phthalate (BBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Benzyl butyl phthalate (BBP) Wmax	85-68-7	ND	ND	ND	ND	ND	%	0.005	-
Di-isobutyl phthalate (DIBP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-isobutyl phthalate (DIBP) Wmax	84-69-5	ND	ND	ND	ND	ND	%	0.005	-
Sum of DBP, DEHP, BBP and DIBP Wavg	-	ND	ND	ND	ND	ND	%	0.005	0.1
Sum of DBP, DEHP, BBP and DIBP Wmax	-	ND	ND	ND	ND	ND	%	0.005	0.1
Di-iso-nonyl phthalate (DINP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-nonyl phthalate (DINP) Wmax	28553-12-0	ND	ND	ND	ND	ND	%	0.005	-
Di-n-octyl phthalate (DNOP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-n-octyl phthalate (DNOP) Wmax	117-84-0	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-decyl phthalate (DIDP) Wavg	-	ND	ND	ND	ND	ND	%	0.005	-
Di-iso-decyl phthalate (DIDP) Wmax	26761-40-0	ND	ND	ND	ND	ND	%	0.005	-
Sum of DINP, DNOP and DIDP Wavg	-	ND	ND	ND	ND	ND	%	0.005	0.1
Sum of DINP, DNOP and DIDP Wmax	-	ND	ND	ND	ND	ND	%	0.005	0.1

Remarks:

D.L. = Detection Limit

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

ND = Not detected

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





**Test Report**

Number: SHAH01612133S1

Tests Conducted

17 PAHs Content (EU REACH Annex XVII Entry 72)

With reference to AfPS GS 2019:01 PAK (PAH), and determined by Gas Chromatography - Mass Spectrometer (GC/MS).

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Benzo[a]anthracene	56-55-3	ND	ND	ND	ND	ND	mg/kg	0.2	1
Chrysene	218-01-9	ND	ND	ND	ND	ND	mg/kg	0.2	1
Benzo[k]fluoranthene	207-08-9	ND	ND	ND	ND	ND	mg/kg	0.2	1
Benzo[a]pyrene	50-32-8	ND	ND	ND	ND	ND	mg/kg	0.2	1
Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	ND	ND	mg/kg	0.2	1
Benzo[e]pyrene	192-97-2	ND	ND	ND	ND	ND	mg/kg	0.2	1
Benzo[j]fluoranthene	205-82-3	ND	ND	ND	ND	ND	mg/kg	0.2	1
Benz[e]acephenanthrylene	205-99-2	ND	ND	ND	ND	ND	mg/kg	0.2	1
Test Item	CAS No.	Result				Units	D.L.	Limit	
		6	7	9	10				
Benzo[a]anthracene	56-55-3	ND	ND	ND	ND	mg/kg	0.2	1	
Chrysene	218-01-9	ND	ND	ND	ND	mg/kg	0.2	1	
Benzo[k]fluoranthene	207-08-9	ND	ND	ND	ND	mg/kg	0.2	1	
Benzo[a]pyrene	50-32-8	ND	ND	ND	ND	mg/kg	0.2	1	
Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	ND	mg/kg	0.2	1	
Benzo[e]pyrene	192-97-2	ND	ND	ND	ND	mg/kg	0.2	1	
Benzo[j]fluoranthene	205-82-3	ND	ND	ND	ND	mg/kg	0.2	1	
Benz[e]acephenanthrylene	205-99-2	ND	ND	ND	ND	mg/kg	0.2	1	

Remarks:

D.L. = Detection Limit

The limit was quoted according to EU Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/1513, Annex XVII Entry 72 on Polycyclic Aromatic Hydrocarbons (PAHs) Content.

ND = Not detected

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



**Test Report**

Number: SHAH01612133S1

Tests Conducted

18 Phthalate Content (U.S. ASTM F963-23)

As per Section 4.3.8 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-C1001-09.4 was used and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1
Test Item	CAS No.	Result					Units	D.L.	Limit
		6	7	8	9	10			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1

Remarks:

D.L. = Detection Limit

ND = Not Detected

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



**Test Report**

Number: SHAH01612133S1

Tests Conducted

19 Heavy Elements Analysis (U.S. ASTM F963-23)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry. Non-modelling clay

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25
Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25

Remarks:

D.L. = Detection Limit

ND = Not Detected

The analytical results were adjusted by subtracting analytical correction factor.

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



## Test Report

Number: SHAH01612133S1

### Tests Conducted

20 **Total Lead (Pb) Content in Non-Surface Coating (U.S. ASTM F963-23)**

With reference to 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 were used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	100
Test Item	Result					Units	D.L.	Limit
	6	7	8	9	10			
Lead (Pb)	ND	ND	32	ND	ND	mg/kg	10	100

Remarks:

D.L. = Detection Limit

ND = Not Detected

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



Picture 1



Picture 2



Picture 3



Picture 4

## Test Report

Number: SHAH01612133S1

### Tests Conducted

#### Component List

No.	Test Component Description(s)
(1)	Yellow plastic. (body)
(2)	Blue plastic. (body)
(3)	White plastic. (body)
(4)	Red plastic. (body)
(5)	Black plastic. (seat)
(6)	Semi-transparent red plastic. (light cover)
(7)	Transparent plastic. (light cover)
(8)	Black soft plastic. (wheel tire)
(9)	Dark red plastic. (button) (sample weight:56 mg)
(10)	Black plastic. (Steering wheel)

The sample weight in bracket was for soluble toxic elements analysis only.

\*\*\*\*\*  
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 Shanghai Ltd.*



To: PINGHU SHUANGXI BABY CARRIER MANUFACTURE CO., LTD.

Attention: SHARON FU

Date: Mar 21, 2024

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH01612133 Dated Oct 30, 2023.

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 SHAH01612133S1.

Reason for report revision: Updated F963 toy and chemistry standard.

Thank you for your attention.

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



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Bill Zhang  
General Manager

