

Test Report

Number: SHAH01441180

Applicant: JIAXING XINGBAO BABY CARRIAGE TECHNOLOGY
CO.,LTD
NO.55,HENGYE ROAD,XINCANG TOWN,
PINGHU CITY,ZHEJIANG PROVINCE,CHINA
Attn: TANG WEN HAO

Date: 09 May, 2022

Sample Description:

One(1) group of submitted sample said to be :
Item Name : Children's Electronic Toy Motorcycle.
Item No. : XB-3118.
Labelled Age Group : For 37-96 months.
Packaging Provided By Applicant : Yes(Artwork).
Country Of Origin : China.

Tests Conducted:

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

Conclusion:

Tested Sample	Standard	Result
Submitted Sample	U.S. ASTM F963-17 For Physical And Mechanical Tests	Pass
Submitted Sample	U.S. ASTM F963-17 For Flammability Test of Materials Other Than Textile Materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 section 4.3.5.2(2)(a)(b) for heavy metal elements test on non-surface coating materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 for heavy metal elements test on surface coating material	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 for total Lead content in non-surface coating	Pass
Submitted Sample	ASTM F963-17 Section 4.25 for Battery-Operated Toys and Battery-Powered Ride-On Toys	Pass
Submitted Sample	U.S. CFR Title 16 (CPSC Regulations) Mechanical and Physical Tests	Pass
Submitted Sample	U.S. CFR Title 16 (CPSC Regulations) Part 1500.3(c)(6)(vi) Flammability Test On Rigid and Pliable Solids	Pass

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




Peter Chen
General Manager



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Conclusion:

Tested Sample	Standard	Result
Tested Components Of Submitted Sample	U.S. Code of Federal Regulations title 16 part 1303 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 surface coating	Pass
Tested Components Of Submitted Sample	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
Tested Components Of Submitted Sample	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass
Submitted Sample	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
Submitted Sample	EN71-2: 2011+A1: 2014 Flammability Test	Pass
Submitted Sample	EN71-2: 2020 Flammability Test	Pass
Tested Components Of Submitted Sample	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
Tested Components Of Submitted Sample	EN 71-3: 2019 on migration of certain elements & EU 2019/1922 amending 2009/48/EC (effective from May, 20,2021) for Aluminium (Al) migration	Pass
Submitted Sample	EN IEC 62115:2020+A11:2020 Safety of Electric Toys Excluding Clause 15.4, Clause 19, Annex E,Annex I	Pass
Tested Components Of Submitted Sample	Phthalates content requirement in Annex XVII Item 51 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
Tested Components Of Submitted Sample	Phthalates content requirement in Annex XVII Items 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 (formerly known as Directive 2005/84/EC)	Pass
Tested Components Of Submitted Sample	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

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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Mechanical and Physical test	Pass
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Cellulose Nitrate and Celluloid	Pass
Tested Components Of Submitted Sample	Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 section 23 and amendments SOR/2016-195 for toxic elements test	Pass
Tested Components Of Submitted Sample	Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b) for accessible plastic material in toys for children under 3 years of age	Not Applicable
Tested Components Of Submitted Sample	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass
Tested Components Of Submitted Sample	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Tested Components Of Submitted Sample	Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 (surface coating materials for furniture and other articles for children) for Total Lead Content Test	Pass

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Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For 37-96 months

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations: -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Tip over Test	Section 1500.53(b)	3 times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality	P
4.5	Sound-Producing Toys	P
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	NA
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games for 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	P
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	P
4.12	Plastic Film	P
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	P
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	P
4.18	Holes, Clearance, and Accessibility of Mechanisms	P
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	P#
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA



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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labelling Requirement	P#
6	Instructional Literature	P#
7	Producer's Markings	
	- Name of Producer/Distributor	Yes
	- Address	Yes

Remark: The submitted samples were undergone the tests in accordance with Section 8.5 through Section 8.18 and 8.21 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass

NA = Not Applicable

#1 = The results of section 4.25.10, 5.15.1, 6.5, 6.6, 7.2 for Battery-powered Ride-on Toys were referred to the next test item.

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022

2 Flammability Test

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

Result = Did Not Ignite

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



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Tests Conducted

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

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

	<u>Result (ppm)</u>										<u>Limit (ppm)</u>
	(1)	(2)	(3)	(4)	(6)	(7)	(9)	(10)	(11)		
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result (ppm)</u>										<u>Limit (ppm)</u>
	(12)	(13)	(14)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg

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

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Testing period: 10 Mar, 2022 to 06 May, 2022



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Tests Conducted

4 Heavy Metal Elements Analysis (Surface Coating)

As per section 4.3.5.1 of the ASTM standard consumer safety specification on toy safety F963-17, CPSC-CH-E1003-09.1 and extraction methods were used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	(5)	Result (ppm)		Limit (ppm)
		(8)	(15)	
Sol. Barium (Ba)	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg

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

Date sample received: 10 Mar, 2022
Testing period: 10 Mar, 2022 to 06 May, 2022

5 Total Lead (Pb) Content for Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested component	Result in ppm	Limit (ppm)
(5+8)	<20	90
(15)	<20	90

Remark: ppm = parts per million = mg/kg

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

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Tests Conducted

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

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, 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.

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1)	<10	100
(2)	<10	100
(3+4+6)	<10	100
(7+11+13)	<10	100
(9)	<10	100
(10)	<10	100
(12)	<10	100
(14)	<10	100
(18+19+20)	<10	100
(21+22)	<10	100

Remark: ppm = parts per million = mg/kg

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

Date sample received: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



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Tests Conducted

7 Battery Powered Ride-On Toys

As per ASTM F963-17 consumer safety specification for toy safety section 4.25, 5.15, 6.5, 6.6 and 7.2.

Applicant's specified age group for testing: For 3- 7 Years.

Type of battery: Vehicle : 12 V, 10 Ah, Lead-acid rechargeable battery X 1pc.

Charger: Type: Input 120 V A.C., Output 12 V D.C.(Provided)

Model: HK012-120100AXU

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

Section	Testing items	Assessment
4.25.1	Battery marking	NA
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	P
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	NA
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	P
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	P
4.25.9	Packaging and Instruction requirement	
	- 5.15 Non-replaceable battery statement in battery operated toys	NA
	- 5.15.2 Button or coin cell batteries	NA
	- 6.5 Instruction on safe usage of battery	NA
4.25.10	Battery-powered ride-on toys	P
4.25.10.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	P
4.25.10.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	P
4.25.10.3	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
4.25.10.4	Switches used in battery powered ride on toys.	
	- Polymeric materials in switches used in battery powered ride on toys that are used to support current carrying parts 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.	P
	- 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.	
4.25.10.5	User replaceable circuit protection devices in battery powered ride on toys.	
	- 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	NA



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	excessive force to open.	
4.25.10.6	Batteries and battery chargers. - 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: E504979	P
4.25.10.7	Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire.	P
4.25.10.8	Strain relief shall be provided to prevent mechanical stress on wires entering a connector block during routine maintenance.	P
4.25.10.9	Battery powered ride on toys shall comply with the requirements for safety labelling, for additional instructional literature, and for required producer's markings. - 5.15.1 Safety warnings of battery powered ride on toys - 6.6 Instructions - 7.2 Producer's marking	P
4.25.11	Toys that contain secondary cells or secondary batteries	NA

Remark: P = Pass NA = Not Applicable

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



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Tests Conducted

8 Physical and Mechanical Test

As per U.S. Code of Federal Regulations title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Applicant's Specified Age Group for Testing: For 37-96 months

	<u>No. of Sample Tested</u>	<u>Sharp Point</u> (1500.48)	<u>Sharp Edge</u> (1500.49)	<u>Small Part</u> (1501)
As Received	1	P	P	NA
Impact (1500.53 (b))	1	P	P	NA
Flexure (1500.53 (d))	0	NA	NA	NA
Torque (1500.53 (e))	1	P	P	NA
Tension (1500.53 (f))	1	P	P	NA
Compression (1500.53 (g))	1	P	P	NA

Remark: P = Pass
NA = Not Applicable

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022

9 Flammability Test

As per U.S. Code of Federal Regulations title 16 Part 1500.44 for rigid and pliable solids.

Result = Did Not Ignite

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



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Tests Conducted

10 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>
(5+8)	<20	90
(15)	<20	90

The limit was quoted according to U.S. Code of Federal Regulations title 16 part 1303 and 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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022

11 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>
(1)	<10	100
(2)	<10	100
(3+4+6)	<10	100
(7+11+13)	<10	100
(9)	<10	100
(10)	<10	100
(12)	<10	100
(14)	<10	100
(18+19+20)	<10	100
(21+22)	<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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



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Tests Conducted

12 Phthalate Content

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

Test item	Result (%)				Limit (%) (Max.)
	(3+4+6)	(7+11+13)	(18+19+20)	(21+22)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1

Test item	Result (%)				Limit (%) (Max.)
	(1)	(2)	(9)	(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

Test item	Result (%)				Limit (%) (Max.)
	(12)	(14)	(16)	(17)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1



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<u>Test item</u>	<u>Result (%)</u>	<u>Limit (%) (Max.)</u>
	(5+8)	(15)
Dibutyl phthalate (DBP)	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	0.1
Benzyl butyl phthalate (BBP)	ND	0.1
Diisononyl phthalate (DINP)	ND	0.1
Diisobutyl phthalate (DIBP)	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	0.1

The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected
Detection Limit = 0.01%

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

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13 Tracking Label Assessment

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

Tracking Label Found on the Packaging:
Jiaxing Xingbao baby carriage technology CO.,LTD
Pinghu City,Zhengjiang Province,China
28th, 2022
XB20211210

Tracking Label Found on the Product:
Jiaxing Xingbao baby carriage technology CO.,LTD
Pinghu City,Zhengjiang Province,China
28th, 2022
XB20211210

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.

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14 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 37-96 months

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
Tip over test	8.6	Three times
Impact Test	8.7	1 kg
Compression Test	8.8	110 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



Test Report

Number: SHAH01441180

Tests Conducted

Clause	Testing Items	Assessment
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
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	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



Test Report

Number: SHAH01441180

Tests Conducted

Clause	Testing Items	Assessment
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

Remark: P = Pass NA = Not Applicable

Artwork of packaging 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

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



Test Report

Number: SHAH01441180

Tests Conducted

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: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



Test Report

Number: SHAH01441180

Tests Conducted

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 37-96 months

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
Tip over test	8.6	Three times
Impact Test	8.7	1 kg
Compression Test	8.8	110 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



Test Report

Number: SHAH01441180

Tests Conducted

Clause	Testing Items	Assessment
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
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	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



Test Report

Number: SHAH01441180

Tests Conducted

Clause	Testing Items	Assessment
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

Remark: P = Pass NA = Not Applicable

Artwork of packaging 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

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



Test Report

Number: SHAH01441180

Tests Conducted

15 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: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



Test Report

Number: SHAH01441180

Tests Conducted

16 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: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



Test Report

Number: SHAH01441180

Tests Conducted

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



Test Report

Number: SHAH01441180

Tests Conducted

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

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(11)	(12)	(13)	(14)	(15)		
Aluminium (Al)	ND	ND	ND	ND	1443	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III)	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	9.9	ND	2.5	180000
Organic tin **	ND	ND	ND	ND Δ	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	100	46000



Test Report

Number: SHAH01441180

Tests Conducted

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(18)	(19)	(20)	(21)	(22)		
Aluminium (Al)	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III)	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	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).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also present in sample as stated in EN 71-3:2019+A1:2021.



Test Report

Number: SHAH01441180

Tests Conducted

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

(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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



Test Report

Number: SHAH01441180

Tests Conducted

18 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3:2019 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

<u>Element</u>	<u>Result (mg/kg)</u>					<u>Limit (mg/kg)</u>
	(1)	(2)	(3)	(4)	(5)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	28130 [©]
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	<10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ^{**}	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ^{**}	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ^{**}	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	46000



Test Report

Number: SHAH01441180

Tests Conducted

Element	Result (mg/kg)					Limit (mg/kg)
	(6)	(7)	(8)	(9)	(10)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	28130◎
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) **	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	180000
Organic tin **	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(11)	(12)	(13)	(14)	(15)	
Aluminium (Al)	< 300	< 300	< 300	< 300	1443	28130◎
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) **	< 0.025	< 0.025	< 0.025	< 0.025#	< 0.025#	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	180000
Organic tin **	< 3.0	< 3.0	< 3.0	< 3.0Δ	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	46000



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Tests Conducted

Element	Result (mg/kg)					Limit (mg/kg)
	(18)	(19)	(20)	(21)	(22)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	28130 [©]
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ⁺⁺	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ⁺⁺	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ⁺⁺	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 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.

© = Aluminium (Al) migration limit [2250mg/kg for Category (I), 560mg/kg for Category (II), 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

= 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).

Δ = Confirmation test was performed on the tested component. The reported value was calculated by summation of the migration values of Methyl tin, Dimethyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Monobutyl tin and Triphenyl tin. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019.



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Number: SHAH01441180

Tests Conducted

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

(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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



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Tests Conducted

19 Safety of Electric Toys

As per European Standard on Safety of Electric Toys EN IEC 62115:2020+A11:2020

Applicant's Specified Age Group for Testing:

Battery Type: Vehicle: 12 V, 10 Ah, Lead-acid rechargeable battery x 1pc;

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

Model:HK150V-120100

Normal Use Operation: Battery powered motion, sound and LED light.

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Term and definitions	--
4	General requirement	--
5	General conditions for test	--
6	Criteria for reduced testing	NA
6.1	General	--
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	NA
6.4	Battery circuits	NA
7	Marking and instructions	P
7.1	General	P
7.2	Marking on electric toys	P
7.2.1	Identification	See remark(1)
7.2.2	Electric toys with replaceable batteries	NA
7.2.3	Transformer toys and power supply toys	NA
7.2.4	Electric toys with more than one power supply	NA
7.2.5	Electric toys with detachable lamps	NA
7.2.6	Symbols	NA
7.2.7	Durability	P
7.3	Instructions and markings on packaging	P
7.3.1	General	P
7.3.2	Transformer toys and power supply toys	P
7.3.3	Electric toys that are used with replaceable batteries	P
7.3.3.1	General	P
7.3.3.2	Coin batteries	NA
7.3.3.3	Button batteries	NA
7.4	Instructions for electric toys that can be connected to class I equipment	NA
7.5	Instructions for ride-on electric toys	P
7.6	Temperature warnings	NA
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	P
9.2	Test condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P
9.5	Abnormal operation with temperature controls made inoperable	NA
9.6	With accessible moving parts locked	P
9.7	Additional transformers and power supplies	NA
9.8	Abnormal supply to electric toys via a USB connection.	NA
9.9	Fault condition in electronic circuits	P
9.10	Compliance criteria	P
10	Electric strength	P
10.1	Electric strength at operating temperature	P



Test Report

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Tests Conducted

Clause	Requirement	Assessment
10.2	Electric strength under humid conditions	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	P
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	P
13.3	Thermal cut-outs.	NA
13.4	Batteries	P
13.4.1	Small batteries	NA
13.4.2	Other batteries	P
13.4.3	Electrolyte leakage	P
13.4.4	Electric toys placed above a child	NA
13.4.5	Parallel connection of batteries	NA
13.4.6	Battery compartment fasteners	P
13.5	Plug and sockets	P
13.6	Charging batteries	P
13.7	Series motors	NA
13.8	Working voltage	NA
13.9	Electric toys connecting to other equipment.	NA
13.10	Speed limitation of ride-on electric toys	P
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	NA
15	Components	P See remark(2)
15.1.1	General	--
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	See remark(2)
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	See remark(2)
15.5	Batteries	NA
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	P
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
18.1	Resistance to heat	P
18.2	Resistance to fire	P
18.2.1	General	--
18.2.2	Non-metallic parts	P
18.2.3	Insulating material	P
19	Radiation and similar hazards	See remark(3)
19.1	General	--
19.2	Optical radiation Toys incorporating lasers and or light emitting diodes (LED) or UV emitting lamps shall comply with Annex E. Electric toys incorporating LEDs shall comply with 19.E.2. Electric toys incorporating lasers shall comply with 19.E.3 Electric toys incorporating UV-emitting lamps shall comply with 19.E.4	See remark(3)
19.3	Other electromagnetic radiation Electric toys with an integrated field source that may produce harmful electromagnetic	See remark(3)



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Tests Conducted

Clause	Requirement	Assessment
	radiation Measurements methods are given in Annex I.	
Annex A	Experimental sets	NA
Annex B	Needle-flame test	NA
Annex C	Automatic controls and switches	See remark (3)
Annex D	Electric toys with protective electronic circuits	NA
Annex E	Safety of electric toys incorporating optical radiation sources	See remark (3)
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	--
Annex G	Examples of calculations on LEDs	--
Annex H	Explanation of the principles used for the requirements of Annex E	--
Annex I	Electric toys generating electromagnetic fields (EMF)	See remark (3)
Annex J	Safety of remote controls for electric ride-on toys	NA
Annex K	Flow charts showing the application of Clause 9	--

Abbreviation: P = Pass A = Applicable NA = Not Applicable

Artwork of packaging was provided for testing.

Remark:

- (1) Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

Below are additional information according to the requirement in Toy Safety Directive 2009/48/EC relating to marking of toys and do not constitute requirements of this European Standard:

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the toy or, where that is not possible, on its 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

- (2) Components shall comply with the safety requirements specified in the relevant IEC standards as far as they reasonably apply.
Applicant needs to ensure that battery charger for toys shall comply with IEC 60335-2-29:2016 and Annex AA of that standard.
- (3) As requested by the applicant, Annex E, Annex I was not assessed.

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



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Number: SHAH01441180

Tests Conducted

20 Phthalate Content

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

Tested Compound	CAS No.	Result (%w/w)				Limit (%w/w) (Max.)
		(3+4+6)	(7+11+13)	(18+19+20)	(21+22)	
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) (Max.)
		(1)	(2)	(9)	(10)	
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) (Max.)
		(12)	(14)	(16)	(17)	
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) (Max.)
		(5+8)	(15)	
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 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 for phthalate content in 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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



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Number: SHAH01441180

Tests Conducted

21 Phthalate Content

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

Tested Compound	CAS No.	Result (%w/w)				Limit (%w/w) (Max.)
		(3+4+6)	(7+11+13)	(18+19+20)	(21+22)	
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) (Max.)
		(1)	(2)	(9)	(10)	
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) (Max.)
		(12)	(14)	(16)	(17)	
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) (Max.)
		(5+8)	(15)	
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



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Number: SHAH01441180

Tests Conducted

@ = 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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022

22 Cadmium (Cd) Content

With reference to methods IEC 62321, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %
(1)	ND
(2)	ND
(3+4+6)	ND
(5+8)	ND
(7+11+13)	ND
(9)	ND
(10)	ND
(12)	ND
(14)	ND
(15)	ND
(16)	ND
(17)	ND
(18+19+20)	ND
(21+22)	ND

Requirement:	
Category	Limit (%)
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: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



Test Report

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Tests Conducted

23 Physical and Mechanical Test

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

Applicant specified age group for testing: For 37-96 months

The submitted samples were undergone the use and abuse tests in accordance with Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

Test	Parameter
Drop test	4 x (0.909±0.005) m
Pull test	42.5±2 N
Push test	42.5±2 N

No.	Testing Items	Assessment
3	General - English and French bilingual statement	P
4	Packaging	
	(a) The opening perimeter is less than 14 inches	NA
	(b) The opening perimeter is more than 14 inches	P
	<u>Electrical hazard</u>	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	<u>Mechanical hazard</u>	
7	Small parts	NA
8	Metal edges	P
9	Wire frames	NA
10	Plastic edges	P
11	Wooden surfaces, edges and corners	NA
12	Glass	NA
13	Fasteners	P
14	Folding mechanism, bracket or bracing	NA
15	Spring-wound driving mechanisms	P
16	Projectile components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	P
	<u>Auditory hazards</u>	
19	Noise limit	P
	<u>Thermal hazards</u>	
20	Heated surfaces, parts or substances	P
	<u>Dolls, plush toys and soft toys</u>	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	
	(a) Clean and free from vermin	NA
	(b) Free from hard and sharp foreign matter	NA



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Tests Conducted

No.	Testing Items	Assessment
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA
	<u>Plant seeds</u>	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA
37	Shaft-like handle	NA
38	Toy steam engines boilers	NA
39	Finger paints	NA
40	Rattle	NA
41	Elastics	NA
42	Yo-yo type balls	
	(a) Stretchable cords	NA
	(b) Similar product	NA
43	Magnetic force	NA
44	Warning of magnetic toys	NA

Remark: P = Pass

NA = Not Applicable

#1 = Due to the large size and heavy weight of the sample, the tip over test was conducted according to ISO 8124-1 section 5.24.3 instead of drop test.

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022

24 Cellulose Nitrate and Celluloid

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302.and SOR/2018-138

	<u>Assessment</u>	<u>Requirement</u>
Cellulose Nitrate/Celluloid	Absent	Absent

Date Sample Received: 10 Mar, 2022 & 29 Apr, 2022

Testing Period: 10 Mar, 2022 to 29 Apr, 2022



Test Report

Number: SHAH01441180

Tests Conducted

25 Toxic Elements Analysis

As per method C02.2, C07 and C03, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: test methods section, by acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (mg/kg)</u>			<u>Limit (mg/kg)</u>
	(5)	(8)	(15)	
Tot. Lead (Pb)	<20	<20	<20	90
Tot. Mercury (Hg)	ND	ND	ND	ND
Sol. Cadmium (Cd)	<10	<10	<10	1000
Sol. Antimony (Sb)	<10	<10	<10	1000
Sol. Selenium (Se)	<10	<10	<10	1000
Sol. Arsenic (As)	<10	<10	<10	1000
Sol. Barium (Ba)	<10	<10	<10	1000

Remark: mg/kg = Milligram per kilogram
 Tot. = Total
 Sol. = Soluble
 ND = Not detected (<0.047 mg/kg)

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

Date sample received: 10 Mar, 2022
 Testing period: 10 Mar, 2022 to 06 May, 2022

26 Toxic Elements Analysis

As per Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b), by acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
Tot. Lead (Pb)	N/A	90
Sol. Barium (Ba)	N/A	1000
Sol. Mercury (Hg)	N/A	60
Sol. Cadmium (Cd)	N/A	75
Sol. Antimony (Sb)	N/A	60
Sol. Chromium (Cr)	N/A	60
Sol. Selenium (Se)	N/A	500
Sol. Arsenic (As)	N/A	25

Remark: mg/kg = Milligram per kilogram
 Tot. = Total
 Sol. = Soluble
 N/A=Not Applicable

Date sample received: 10 Mar, 2022
 Testing period: 10 Mar, 2022 to 06 May, 2022



Test Report

Number: SHAH01441180

Tests Conducted

27 Phthalate Content Test

With reference to method CPSC-CH-C1001-09.3 and followed by solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis

<u>Tested Compound</u>	<u>Result (mg/kg)</u>				<u>Limit(mg/kg)</u>
	(3+4+6)	(7+11+13)	(18+19+20)	(21+22)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>				<u>Limit(mg/kg)</u>
	(1)	(2)	(9)	(10)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>				<u>Limit(mg/kg)</u>
	(12)	(14)	(16)	(17)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>		<u>Limit(mg/kg)</u>
	(5+8)	(15)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	1000

Remark: The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulation
 SOR/2016-188 for phthalate content on toys and child care articles.
 Detection Limit = 100mg/kg
 ND = Not Detected

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

Date sample received: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



Test Report

Number: SHAH01441180

Tests Conducted

28 Total Lead (Pb) content

As per method C02.2, C02.3 and C02.4, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: test methods section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (mg/kg)</u>	<u>Requirement (mg/kg)</u>
(1)	ND	90
(2)	ND	90
(3+4+6)	ND	90
(5+8)	ND	90
(7+11+13)	ND	90
(9)	ND	90
(10)	ND	90
(12)	ND	90
(14)	ND	90
(15)	ND	90
(18+19+20)	ND	90
(21+22)	ND	90

Remark: The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

Reporting Limit = 10 mg/kg for Substrate, 20 mg/kg for coating
 ND=Not Detected

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

Date sample received: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022

29 Total Lead (Pb) Content

(surface coating materials for furniture and other articles for children)

As per Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested component</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
(5+8)	<20	90
(15)	<20	90

Remark : mg/kg = Milligram per kilogram

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

Date sample received: 10 Mar, 2022

Testing period: 10 Mar, 2022 to 06 May, 2022



Test Report

Number: SHAH01441180

Tests Conducted

Photo



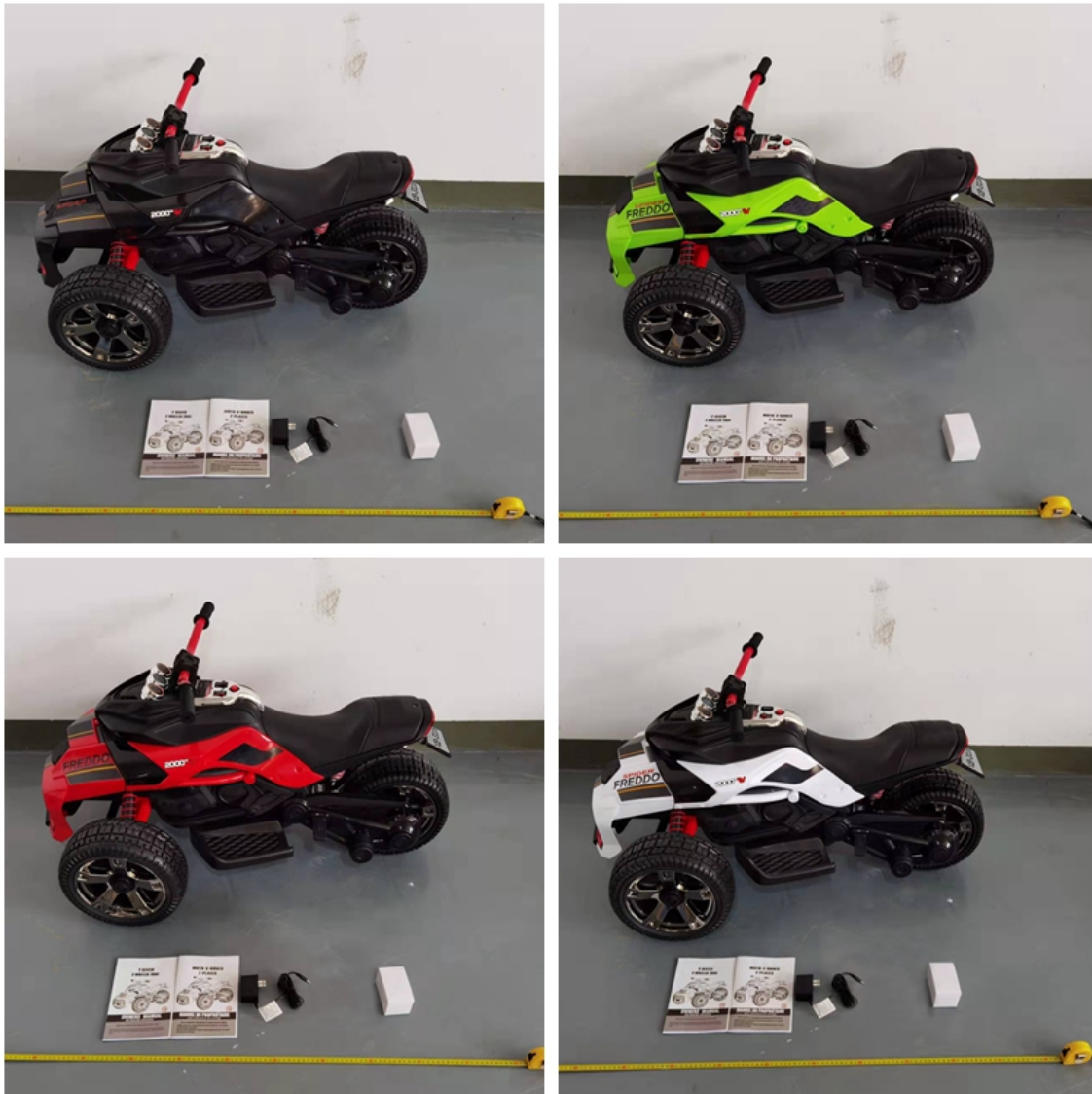


Test Report

Number: SHAH01441180

Tests Conducted

The Samples Were Submitted By The Client, Only For Reference





Test Report

Number: SHAH01441180

Tests Conducted





Test Report

Number: SHAH01441180

Tests Conducted

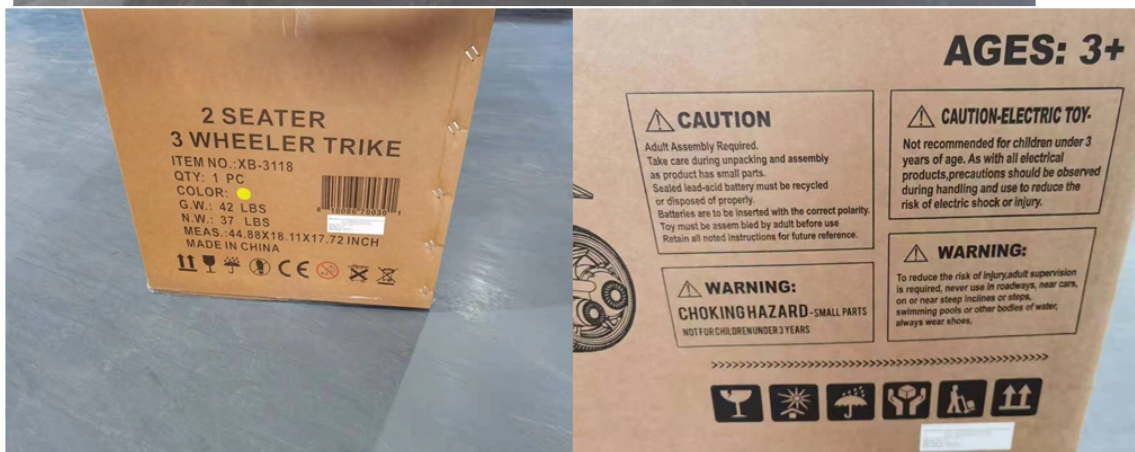




Test Report

Number: SHAH01441180

Tests Conducted





Test Report

Number: SHAH01441180

Tests Conducted





Test Report

Number: SHAH01441180

Tests Conducted

Components List:

- (1) Transparent Plastic Film With Multi-Color Printing(Body).
- (2) White Adhesive Paper With Multi-Color Printing Underlying Plastic Film(Body).
- (3) Yellow Plastic(Body).
- (4) Black Plastic(Body).
- (5) Silver Coating On Plastic(Instrument Panel).
- (6) Red Plastic(Front Fence).
- (7) Transparent Plastic(Front Light).
- (8) Silver Grey Coating On Plastic(Wheel Hub).
- (9) Green Transparent Plastic With White Printing(Button On Instrument Panel).
- (10) Transparent Soft Plastic Sticker With Black, White Printing(Instrument Panel).
- (11) White Plastic(Coupling Of Wheel).
- (12) Translucence Soft Plastic(Damping Device).
- (13) Red Plastic(Connection).
- (14) Red Soft Plastic With Black Printing(Wire Covering).
- (15) Black Coating On Metal(Chassis).
- (16) Black Soft Plastic With White Printing(Heart Shrink Tubing).
- (17) Transparent Glue(Inner Seat).
- (18) Green Plastic.
- (19) White Plastic.
- (20) Black Plastic.
- (21) Blue Plastic.
- (22) Red Plastic.

End Of Report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Wuxi Ltd.

