Test Report Number: SHAH01563612S1

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

Date: Nov 13, 2023

THIS IS TO SUPERSEDE REPORT NO. SHAH01563612 DATED Aug 09, 2023

Sample Description:

One (1) group of submitted sample said to be :

Item Name	:	Children electric car
Labelled Age Group	:	3+
Country Of Origin	:	China
Item No.		XB-1118.
Packaging Provided By Applicant		Yes.

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Tests Conducted:

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

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Conclusion:

Tested samples	Standard	Result
Submitted Samples (On Red car only)	U.S. ASTM F963-17 – Physical And Mechanical Tests Excluding section 4.25, 5.15, 6.5, 6.6 and 7.2	Pass
	U.S. ASTM F963-17 – Flammability Test of Materials Other Than Textile Materials	Pass
Tested components of submitted sample	U.S. ASTM F963-17 on soluble heavy elements test	Pass
	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
	U.S. ASTM F963-17 for total Lead content in non-surface coating	Pass
Submitted Samples (On Red car only)	U.S. CFR Title 16 (CPSC Regulations) – Mechanical and Physical Tests	Pass
	U.S. CFR Title 16 (CPSC Regulations)- Part 1500.3(c)(6)(vi) Flammability Test On Rigid and Pliable Solids	Pass

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To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Bill Zhang
General Manager

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Test Report Number: SHAH01563612S1

Tested samples	Standard	Result
Tested components of submitted sample(s)/ se(s)t	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	U.S. CFR Title 16 (CPSC Regulations)- Part 1303 total Lead content	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 Samples (On Red car only)	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
	EN71-2: 2020 Flammability Test	Pass
Tested Components of Submitted Samples	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
Submitted Sample Set (Red Car Only)	EN IEC 62115:2020+A11: 2020- Safety of Electric Toys Excluding the Clause 19 and Annex D, E, I	Pass (Subjected to Remark Enclosed)
Tested Components of Submitted Sample	Phthalates content requirement in Annex XVII Item 51&52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC)	Pass
Tested components of submitted samples / sets	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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To be continued

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Tested samples	Standard	Result
Submitted Sample (Red Car Only)	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
	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
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34 for Flammability Test	Not Applicable
Tested component 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 Products Containing Lead Regulations SOR/2018-83	Pass
Tested component of submitted sample / set	Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122 for total lead content test on products with applied stickers, films or surface coating materials	Pass
Tested component of submitted sample	Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193 for total Mercury content on surface coating materials	Pass
Submitted sample Set (Red Car Only)	EN62115:2005+A12:2015 on safety of electric toy Excluding Annex E, ZB and ZC	Pass (Subjected to remarks enclosed)
Submitted Sample (Red car only)	BS EN71-1 : 2014 + A1 : 2018 - Mechanical and physical properties	Pass
	BS EN71-2: 2020 Flammability Test	Pass
Tested component of submitted sample	BS EN 71-3: 2019+A1:2021 on migration of certain elements	Pass

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Test Report Number： SHAH01563612S1

Tests Conducted

1 Physical and Mechanical Tests (On Red car only)

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

Applicant's Specified Age Group for Testing: For Ages 36 months and up

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations： -

Test	FHSA	Parameter
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

Section	Testing Items	Assessment
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	NC#
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

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Tests Conducted

Section	Testing Items	Assessment
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 (Toy)	Yes
	- Address (Toy)	Yes

Remark：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.

P = Pass NA = Not Applicable

= As applicant's request, section 4.25, 5.15, 6.5, 6.6 and 7.2 for BO ride on toys were not assessed.

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Apr.27, 2023

2 Flammability Test (On Red car only)

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

Result = Ignited But Self-Extinguished before Burn Rate Could be Determined

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Apr.27, 2023

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Tests Conducted

3 Soluble Heavy Metal Elements Analysis

As per section 4.3.5.1(2) and 8.3.2 / 4.3.5.2(2)(b)and 8.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (ppm)										Soluble Limit(ppm)
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(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

	Result (ppm)									Soluble Limit(ppm)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
Sol. Barium(Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead(Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium(Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony(Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium(Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium(Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury(Hg)	<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	25

Remark： ppm = Parts per million = mg/kg
Sol. = Soluble
@ **=** Since the sample weight of the component (1) was less than 10 mg, soluble elements analysis was not conducted. Only total Lead content was tested.

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

Date Sample Received： Apr.21, 2023
Testing Period： Apr.21, 2023 to Apr.27, 2023

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Tests Conducted

4 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)
(1)	<20	90

Remark：ppm = parts per million = mg/kg

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

Date Sample Received：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

5 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 and CPSC-CH-E1002-08.3, were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested component	Result in ppm	Limit (ppm)
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5+6+7)	<10	100
(8+9+10)	<10	100
(11+12)	<10	100
(13+14+15)	<10	100
(16+17)	<10	100
(18+19)	<10	100
(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：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

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Tests Conducted

6 Physical and Mechanical Test (On Red car only)

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 Ages 36 months and up

	No. of SampleTested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (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
F = Fail
NA = Not Applicable

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Apr.27, 2023

7 Flammability Test (On Red car only)

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

Result = Ignited but Self-Extinguished before Burn Rate Could be Determined

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Apr.27, 2023

8 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.

Tested Component	Result (ppm)	Limit (ppm)
(1)	<20	90

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark：ppm = Parts per million = mg/kg

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

Date Sample Received：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

9 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 methods CPSC-CH-E1002-08.3 and CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (ppm)	Limit (ppm)
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5+6+7)	<10	100
(8+9+10)	<10	100
(11+12)	<10	100
(13+14+15)	<10	100
(16+17)	<10	100
(18+19)	<10	100
(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：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

10 Total Lead (Pb) Content

As per U.S. Code of Federal Regulations title 16 part 1303, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested component	Result (%)	Limit (%)
(1)	<0.002	0.009

The limit was quoted according to CPSC Regulation CFR title 16 Part 1303 for Lead (Pb) content.

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

Date Sample Received：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

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Tests Conducted

11 Phthalate Content

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

Test item	Result (%)				Limit (%) (Max.)
	(1)	(2)	(3)	(4)	
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.)
	(5+6+7)	(8+9+10)	(11+12)	
Dibutyl phthalate (DBP)	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	0.1

Test item	Result (%)				Limit (%) (Max.)
	(13+14+15)	(16+17)	(18+19)	(20)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1

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

Remark：ND = Not Detected
Detection Limit = 0.01%

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Tests Conducted

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

Date Sample Received：Apr.20, 2023

Testing Period：Apr.20, 2023 to May 11, 2023

12 Mechanical and Physical Test (On Red car only)

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

Applicant's Specified Age Group for Testing: For ages 36 months and up

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations：-

Test	FHSA	Parameter
Protective Components	8.4.2.3	60 N

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
4.16	Heavy immobile toys	P
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

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Tests Conducted

Clause	Testing Items	Assessment
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	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	P
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA

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Clause	Testing Items	Assessment
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark： P = Pass NA = Not Applicable

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN 71 but are not standard requirements:

1. Marking

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

After checking, it was found that:

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

Date Sample Received：Apr.21, 2023 & Aug.3, 2023 & Aug.7, 2023

Testing Period：Apr.21, 2023 to Aug.8, 2023

13 Flammability Test (On Red car only)

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：Apr.21, 2023

Testing Period：Apr.21, 2023 to Apr.27, 2023

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14 19 Toxic Element Migration Test

(A) Test Result

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

Category (III)：Scraped-off toy material

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(2)#	(3)#	(4)#	(5)#	(6)#		
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

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Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(7)#	(8)#	(9)#	(10)#	(11)#		
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)
	(12)#	(13)#	(14)# Δ	(15)# Δ	(16) Δ		
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	28	87	4.5	2.5	180000
Organic tin ++	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	286	ND	100	46000

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Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	(17)	(18)	(19)#	(20)#		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) ++	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ++	ND	ND	ND	ND	5	12
Zinc (Zn)	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 be present in sample as stated in EN 71-3:2019+A1:2021.

Tested component(s)：See component list in the last section of this report / See W/S

@: Since the sample weight of the component (1) was less than 10 mg, soluble heavy metal analysis was not applicable.

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(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：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

15 Safety of Electric Toys (On Red Car Only)

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

Applicant's Specified Age Group for Testing: For ages 36 months and up

Battery Type: For Car: 12.0V, 10Ah, Lead-acid rechargeable battery x 1pc (Provided)
For Remote Control: 1.5V, LR03 x 2pc (Replaceable)
For Light: 1.5V, LR03 x 2pc (Replaceable)

Charger Type: Input 100-240 V A.C., Output 12 V D.C. (Provided)
Charger 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	--
6.1	General	NA
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	P
7.2.3	Transformer toys and power supply toys	NA
7.2.4	Electric toys with more than one power supply	NA

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Clause	Requirement	Assessment
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
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	P
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	P
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	--

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Clause	Requirement	Assessment
15.1.1	General	--
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	See remark(3)
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	See remark(4)
15.5	Batteries	NA
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	NA
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	P
18.2.2	Non-metallic parts	P
18.2.3	Insulating material	P
19	Radiation and similar hazards	--
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 (2)
19.3	Other electromagnetic radiation Electric toys with an integrated field source that may produce harmful electromagnetic radiation Measurements methods are given in Annex I.	See remark (2)
Annex A	Experimental sets	NA
Annex B	Needle-flame test	NA
Annex C	Automatic controls and switches	NA
Annex D	Electric toys with protective electronic circuits	See remark(2)
Annex E	Safety of electric toys incorporating optical radiation sources	See remark (2)
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 generationg electromagnetic fields (EMF)	See remark (2)
Annex J	Safety of remote controls for electric ride-on toys	P
Annex K	Flow charts showing the application of Clause 9	--

Abbreviation: P = Pass NA = Not Applicable

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Remark:

(1) 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	Present	Absent
Importer's address	Present	Absent
Product identification code	Present	Present

(2) As applicant's requirement, the Clause 19 and Annex D, E, I were not assessed.

(3) Components shall comply with the safety requirements specified in the relevant IEC standards as far as they reasonably apply.

(4) Applicant needs to ensure that battery charger for toys shall comply with IEC 60335-2-29:2016 and Annex AA of that standard.

Date Sample Received：Apr.21, 2023 & Apr.27, 2023 & May 22, 2023 & Jun.30, 2023 & Aug.3, 2023 & Aug.7, 2023 & Oct.18, 2023 & Oct.26, 2023 & Nov.9, 2023 & Nov.10, 2023
Testing Period：Apr.21, 2023 to Nov.10, 2023

16 Phthalate Content

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

I. Annex XVII Item 51

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

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Test Item	CAS No.	Result (%,w/w)		Limit (%,w/w) (Max.)
		(5+6+7)	(8+9+10)	
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

Test Item	CAS No.	Result (%,w/w)		Limit (%,w/w) (Max.)
		(11+12)	(13+14+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

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

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

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

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

II. Annex XVII Item 52

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

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Tests Conducted

Test Item	CAS No.	Result (%,w/w)		Limit (%,w/w) (Max.)
		(5+6+7)	(8+9+10)	
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

Test Item	CAS No.	Result (%,w/w)		Limit (%,w/w) (Max.)
		(11+12)	(13+14+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

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

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

Remark：Detection Limit = 0.01%(w/w)
ND = Not Detected(Less than detection limit)

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

Date Sample Received：Apr.20, 2023
Testing Period：Apr.20, 2023 to May 11, 2023

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To be continued

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Tests Conducted

17 Cadmium (Cd) Content

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

Tested Component	Result in %
(1)	ND
(2)	ND
(3)	ND
(4)	ND
(5+6+7)	ND
(8+9+10)	ND
(11+12)	ND
(13+14+15)	ND
(16+17)	ND
(18+19)	ND
(20)	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：Apr.20, 2023
Testing Period：Apr.20, 2023 to Apr.27, 2023

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Tests Conducted

18 Physical and Mechanical Test (On Red car only)

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 ages 36 months and up

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
Tip over Test	3 times
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
	Electrical hazard	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	Mechanical hazard	
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	NA
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	NA
	Auditory hazards	
19	Noise limit	P
	Thermal hazards	
20	Heated surfaces, parts or substances	P
	Dolls, plush toys and soft toys	
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
30	Small parts -Squeaker, reed, valve or other similar device	NA

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No.	Testing Items	Assessment
31	Eyes and noses	NA
	Plant seeds	
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

Date Sample Received：Apr.21, 2023 & Aug.3, 2023
Testing Period：Apr.21, 2023 to Aug.7, 2023

19 Cellulose Nitrate and Celluloid (On Red car only)

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

	Assessment	Requirement
Cellulose Nitrate/Celluloid	Absent	Absent

Date Sample Received：Apr.21, 2023 & Aug.3, 2023
Testing Period：Apr.21, 2023 to Aug.7, 2023

20 Flammability Test (On Red car only)

As per Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34.

Result：Not Applicable

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Apr.27, 2023

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Tests Conducted

21 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.

	Result (mg/kg) (1)	Limit (mg/kg)
Tot. Lead (Pb)	<10	90
Tot. Mercury (Hg)	ND	ND
Sol. Cadmium (Cd)	<10	1000
Sol. Antimony (Sb)	<10	1000
Sol. Selenium (Se)	<10	1000
Sol. Arsenic (As)	<10	1000
Sol. Barium (Ba)	<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： Apr.20, 2023
Testing Period： Apr.20, 2023 To Apr.27, 2023

22 Total Lead (Pb) Content

As per methods C02.2, C02.3 and C02.4, acid digestion was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (mg/kg)	Limit (mg/kg)
(2)	ND	90
(3)	ND	90
(4)	ND	90
(5+6+7)	ND	90
(8+9+10)	ND	90
(11+12)	ND	90
(13+14+15)	ND	90
(16+17)	ND	90
(18+19)	ND	90
(20)	ND	90
(21+22)	ND	90

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

Remark：Reporting Limit = 10 mg/kg
ND=Not Detected (Less than reporting limit)

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Tests Conducted

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

Date Sample Received： Apr.20, 2023
Testing Period： Apr.20, 2023 To Apr.27, 2023

23 Total Lead (Pb) Content on Products with Applied Stickers, Films or Surface Coating Materials

As per Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (mg/kg)	Limit (mg/kg)
(1)	<10	90

Remark：mg/kg = Milligram per kilogram

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

Date Sample Received： Apr.20, 2023
Testing Period： Apr.20, 2023 To Apr.27, 2023

24 Total Mercury (Hg) Content in Surface Coating

With reference to Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193, acid digestion method was used and total Mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Component	Result in mg/kg	Limit(mg/kg)
(1)	ND	10

Remark：mg/kg = milligram per kilogram
Detection Limit = 0.047 mg/kg
ND = Not detected

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

Date Sample Received： Apr.20, 2023
Testing Period： Apr.20, 2023 To Apr.27, 2023

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Tests Conducted

25 Safety of electric Toys (On Red Car Only)

As per European standard EN62115:2005+A12:2015 on safety of electric toys .

Applicant's specified age group for testing: For ages 36 months and up

Battery Type: For Car: 12.0V, 10Ah, Lead-acid rechargeable battery x 1pc (Provided)
For Remote Control: 1.5V, LR03 x 2pc (Replaceable)
For Light: 1.5V, LR03 x 2pc (Replaceable)

Charger Type: Input 100-240 V A.C., Output 12 V D.C. (Provided)
Charger model: HK150B-120100

Normal Use Operation: Battery powered motion, Sound and LED light

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

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Tests Conducted
P = Pass
NA = Not applicable

Remark :

(1) Battery toys are considered to comply with clauses 10, 11 (except 11.1), 12, 15 (except 15.2), 17 (except 17.1 for battery compartment intended to contain button cell batteries), 18 (except the additional distances for computer toys) and 19 if

(a) the accessible insulation between parts of different polarity, cannot be bridged by a straight steel pin having a diameter of 0,5 mm and any suitable length over 25 mm, (insulation between parts of different polarity in battery compartments protected by a cover that can only be removed with the aid of a tool or by two simultaneous movements applied simultaneously are not considered as accessible for the purposes of this requirement), and

(b) the battery voltage does not exceed 2.5V measured 1s after a 1Ω resistor has been connected between the supply terminals of the toy, any current limiting device being short-circuited and without the toy being operated.

In this case, the sample meets the above requirements and are subjected to the relevant clauses.

(2) Applicant need to ensure that the components specified in clause 16.1 comply with relevant IEC safety standards and meet the national deviation of the importing countries.
Applicant needs to ensure that battery charger for toys shall comply with IEC 60335-2-29 and Annex AA of that standard.

(3) As requested by the applicant, Annex E, ZB and ZC were not assessed.

Date Sample Received：Apr.21, 2023 & Apr.27, 2023 & May 22, 2023 & Jun.30, 2023 & Aug.3, 2023 & Aug.7, 2023
Testing Period：Apr.21, 2023 to Aug.8, 2023

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Tests Conducted

26 Mechanical and Physical Test (On Red car only)

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

Appropriate / Applicant's specified age group for testing: For ages 36 months and up

The submitted samples were undergone the following abuse tests:	
Clause	Testing items
8.4.2.3	Protective components (60 N)

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
4.16	Heavy immobile toys	P
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

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

Abbreviation: P = Pass NA = Not Applicable

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Tests Conducted

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

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：Apr.21, 2023 & Aug.3, 2023 & Aug.7, 2023

Testing Period：Apr.21, 2023 to Aug.8, 2023

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Tests Conducted

27 Flammability Test (On Red car only)

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

Date Sample Received：Apr.21, 2023
Testing Period：Apr.21, 2023 to Aug.7, 2023

28 19 Toxic Elements Migration Test

(A) Test Result

As per 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, and Gas Chromatographic - Mass Spectrometry.

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Test Report Number： SHAH01563612S1

Tests Conducted

Category (III)：Scraped-off toy material

Element	Result (mg/kg)					Limit (mg/kg)
	(2)#	(3)#	(4)#	(5)#	(6)#	
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)
	(7)#	(8)#	(9)#	(10)#	(11)#	
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

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To be continued

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Test Report Number: SHAH01563612S1

Tests Conducted

Element	Result (mg/kg)					Limit (mg/kg)
	(12)#	(13)#	(14)# Δ	(15)# Δ	(16) Δ	
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	28	87	4.5	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	286	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(17)	(18)	(19)#	(20)#	
Aluminium (Al)	< 300	< 300	< 300	< 300	28130
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ++	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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To be continued

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Remark：mg/kg = Milligram per kilogram

++ = Unless the test results were marked with "#" or "∆", 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.

= 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).

∆ = 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 BS EN 71-3:2019+A1：2021.

@ = Since the sample weight of the component (1) was less than 10 mg, soluble heavy metal analysis was not applicable.

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： Apr.20, 2023

Testing Period： Apr.20, 2023 To Apr.27, 2023

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To be continued

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Tests Conducted

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Test Report Number： SHAH01563612S1

Tests Conducted

Component list:

(1) White coatings on plastic. (switch)
(2) White adhesive paper with red/black/white coatings.(warning sticker)
(3) White adhesive plastic film with underlying coatings. (sticker)
(4) Transparent adhesive plastic with underlying black/white coating. (USB panel)
(5) Red plastic.(body)
(6) Bright black plastic.(wheel hub)
(7) Orange plastic.(shock absorber)
(8) Transparent plastic. (front light/top light)
(9) Transparent red plastic excluding coating.(power switch)
(10) Transparent green plastic excluding coating.(power switch)
(11) Black plastic. (gear box)
(12) White plastic. (coupling)
(13) Black soft plastic. (wire protect)
(14) Red soft plastic. (wire skin)
(15) Black soft plastic. (heat shrinkable tube)
(16) Orange plastic.(different part)
(17) Blue plastic.(different part)
(18) Pink plastic.(different part)
(19) Rose plastic.(different part)
(20) White plastic with multi-color coatings. (different part)
(21) Silver color metal. (screw & gasket & nut)
(22) Silver color metal excluding coating. (frame)

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End of report

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To: JIAXING XINGBAO BABY CARRIAGE TECHNOLOGY CO.,LTD

Attention: WEN HAO TANG Date: Nov 13, 2023

Re: Report Revision Notification

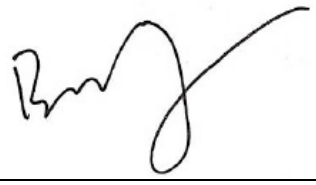
Intertek Testing Services Report Number SHAH01563612 Dated Aug 09, 2023**.**

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 **SHAH01563612S1.**

Reason for report revision： Add test item Annex J, as per client request.

Thank you for your attention.

Authorized By：
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager

Intertek Testing Services Ltd., Shanghai
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