

Test Report

Number: SHAH01474772

Applicant: PINGHU CITY XIAO MING XING CHILDREN'S PRODUCTS CO.,LTD
NO.199 ZHONGHUA SECTION
,XINYA ROAD,XINCANG TOWN,PINGHU CITY,
ZHEJIANG,CHINA

Date: 15 Aug, 2022

Sample Description:

One (1) piece of submitted sample said to be :
Item Name : CHILDREN CAR.
Item No. : XMX623,XMX623B.
Labelled Age Group : 3+Years
Packaging Provided By Applicant : Yes
Country Of Origin : China

Tests Conducted:

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

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



Peter Chen
General Manager



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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
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
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	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, 5.15, 6.5, 6.6 & 7.2 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
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
Tested Components Of Submitted Sample	U.S. CFR Title 16 (CPSC Regulations) Part 1303 total Lead content	Pass
Tested Components Of Submitted Sample	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
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	California Proposition 65 for toys, Consent Judgment No. RG-356892 -Total Lead Content	Pass

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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested Components Of Submitted Sample	Illinois Lead Poisoning Prevention Act 410 ILCS 45 section 6 (Public Act 095-1019)	Pass
Tested Components Of Submitted Sample	California Proposition 65 for Toys, Consent judgment No. BG-350969 - Phthalate content	Pass
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	Pass
Tested Components Of Submitted Sample	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
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 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: Over 3 Years.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations: -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact Test	Section 1500.53(b)	4 x 3.0 ft
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#1
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA



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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	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#1
6	Instructional Literature	P#1
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, 6.5, 6.6, 7.2 for Battery-powered Ride-on Toys were referred to the next test item.

Date Sample Received: 07 Jul, 2022 & 12 Aug, 2022

Testing Period: 07 Jul, 2022 to 12 Aug, 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: 07 Jul, 2022

Testing Period: 07 Jul, 2022 to 04 Aug, 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)	(5)	(6)	(7)	(8)	(9)	
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

	<u>Result (ppm)</u>									<u>Limit (ppm)</u>
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
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

	<u>Result (ppm)</u>							<u>Limit (ppm)</u>
	(19)	(20)	(21)	(22)	(23)	(24)	(26)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<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	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: 07 Jul, 2022
Testing period: 07 Jul, 2022 to 12 Aug, 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.

	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
	(25)	
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<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: 07 Jul, 2022

Testing period: 07 Jul, 2022 to 12 Aug, 2022



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Tests Conducted

5 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:

Description: Children Car

ITEM NO.: XM623

DATE CODE: 202207

MANUFACTURER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd

Address: No. 199 Zhonghua Section, Xinya Road, Xincang Town, Pinghu City

Zhejiang China

Lot#: 3307611633/W20120

Description: Children Car

ITEM NO.: XM623B

DATE CODE: 202207

MANUFACTURER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd

Address: No. 199 Zhonghua Section, Xinya Road, Xincang Town, Pinghu City

Zhejiang China

Lot#: 3307611633/W20120

Tracking Label Found on the Product:

Description: Children Car

ITEM NO.: XM623

DATE CODE: 202207

MANUFACTURER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd

Address: No. 199 Zhonghua Section, Xinya Road, Xincang Town, Pinghu City

Zhejiang China

Lot#: 3307611633/W20120

Description: Children Car

ITEM NO.: XM623B

DATE CODE: 202207

MANUFACTURER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd

Address: No. 199 Zhonghua Section, Xinya Road, Xincang Town, Pinghu City

Zhejiang China

Lot#: 3307611633/W20120

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.

Date sample received: 07 Jul, 2022

Testing period: 07 Jul, 2022 to 04 Aug, 2022



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Tests Conducted

6 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.

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(25)	<20	90

Remark: ppm = parts per million = mg/kg

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

Date sample received: 07 Jul, 2022

Testing period: 07 Jul, 2022 to 12 Aug, 2022

7 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+2+3)	<10	100
(4+5+6)	<10	100
(7+8+9)	<10	100
(10+11+12)	<10	100
(13+14)	11	100
(15)	<10	100
(16+17)	<10	100
(18)	<10	100
(19)	<10	100
(20+21)	<10	100
(22+23)	<10	100
(24)	<10	100
(26)	<10	100
(27)	<10	100

Remark: ppm = parts per million = mg/kg

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

Date sample received: 07 Jul, 2022

Testing period: 07 Jul, 2022 to 12 Aug, 2022



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Tests Conducted

8 Battery-Operated 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: Over 3 Years.

Type of battery: Sample A: Vehicle: 12 V, 7 Ah, Lead-acid rechargeable battery x 1 pc

Sample B: Vehicle: 12 V, 10 Ah, Lead-acid rechargeable battery x 1 pc

:Remote Control: 3V LR 03 size x 2 pcs,

Charger: Type: Input 100-240V A.C. Output 12.0V D.C. (Provided)

Model: GA09-1201000US

Electric operated function: Battery powered Motion, LED Light, Sound.

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.25.1	Battery marking	P
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	P
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	P
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	P
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.	P
	- 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.	
	he 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.	NA
	- User replaceable circuit protection devices provided by the manufacturer in battery-powered ride-on toys shall be listed, recognized or certified by a Nationally Recognized Test Laboratory (NRTL) (that is, a laboratory recognized in accordance with 29 CFR 1910) to an appropriate electrical safety standard.	
	ll circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design which does not easily allow tempering such as a design requiring excessive force	



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	to open.	
4.25.10.6	Batteries and battery chargers. attery 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. uring 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: 5000566	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: 07 Jul, 2022

Testing period: 07 Jul, 2022 to 04 Aug, 2022



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9 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: Over 3 Years.

	<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	2	P	P	NA
Impact (1500.53 (b))	2	P	P	NA
Flexure (1500.53 (d))	0	NA	NA	NA
Torque (1500.53 (e))	2	P	P	NA
Tension (1500.53 (f))	2	P	P	NA
Compression (1500.53 (g))	2	P	P	NA

Remark: P = Pass
NA = Not Applicable

Date sample received: 07 Jul, 2022
Testing period: 07 Jul, 2022 to 04 Aug, 2022

10 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: 07 Jul, 2022
Testing period: 07 Jul, 2022 to 04 Aug, 2022



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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.

<u>Test item</u>	<u>Result (%)</u>				<u>Limit (%) (Max.)</u>
	(1+2+3)	(4+5+6)	(7+8+9)	(10+11+12)	
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

<u>Test item</u>	<u>Result (%)</u>				<u>Limit (%) (Max.)</u>
	(13+14)	(15)	(16+17)	(18)	
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

<u>Test item</u>	<u>Result (%)</u>				<u>Limit (%) (Max.)</u>
	(19)	(20+21)	(22+23)	(24)	
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>
	(25)	(26)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.1

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

Remark: ND = Not Detected
 Detection Limit = 0.01%

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

Date Sample Received: 07 Jul, 2022
 Testing Period: 07 Jul, 2022 To 12 Aug, 2022

12 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.

<u>Tested component</u>	<u>Result (%)</u>	<u>Limit (%)</u>
(25)	<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: 07 Jul, 2022
 Testing Period: 07 Jul, 2022 To 12 Aug, 2022



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13 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> (25)	<u>Result (ppm)</u> <20	<u>Limit (ppm)</u> 90
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The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark: ppm = Parts per million = mg/kg

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

Date Sample Received: 07 Jul, 2022
Testing Period: 07 Jul, 2022 To 12 Aug, 2022

14 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 in ppm</u>	<u>Limit (ppm)</u>
(1+2+3)	<10	100
(4+5+6)	<10	100
(7+8+9)	<10	100
(10+11+12)	<10	100
(13+14)	11	100
(15)	<10	100
(16+17)	<10	100
(18)	<10	100
(19)	<10	100
(20+21)	<10	100
(22+23)	<10	100
(24)	<10	100
(26)	<10	100
(27)	<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: 07 Jul, 2022
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Tests Conducted

15 Total Lead (Pb) content

With reference to us EPA method 3050B, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1+2+3)	<10	100
(4+5+6)	<10	100
(7+8+9)	<10	100
(10+11+12)	<10	100
(13+14)	11	100
(15)	<10	100
(16+17)	<10	100
(18)	<10	100
(19)	<10	100
(20+21)	<10	100
(22+23)	<10	100
(24)	<10	100
(25)	<20	90
(26)	<10	100
(27)	<10	100

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

Remark: ppm = parts per million = mg/kg

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

Date Sample Received: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 12 Aug, 2022



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Tests Conducted

16 Total Lead (Pb) Content

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45 section 6 (Public Act 095-1019), acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1+2+3)	<0.001
(4+5+6)	<0.001
(7+8+9)	<0.001
(10+11+12)	<0.001
(13+14)	0.0011
(15)	<0.001
(16+17)	<0.001
(18)	<0.001
(19)	<0.001
(20+21)	<0.001
(22+23)	<0.001
(24)	<0.001
(25)	<0.002
(26)	<0.001
(27)	<0.001

Requirement:

The total Lead content shall not exceed 0.009% for surface coating and 0.01% for non-surface coating material (substrate) in accordance with the Consumer Product Safety Improvement Act of 2008 (CPSIA).

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

Date Sample Received: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 12 Aug, 2022



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Tests Conducted

17 Phthalate Content

With reference to CPSC-CH-C1001-09.3 and by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>				<u>Limit (% w/w)</u>
	(1+2+3)	(4+5+6)	(7+8+9)	(10+11+12)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>				<u>Limit (% w/w)</u>
	(13+14)	(15)	(16+17)	(18)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>				<u>Limit (% w/w)</u>
	(19)	(20+21)	(22+23)	(24)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	--



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Tests Conducted

	<u>Result (% w/w)</u>		<u>Limit (% w/w)</u>
	(25)	(26)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	--

Remark: The above limit was quoted from the consent judgment No. BG-350969 settled by superior court of the state of California for the county of Alameda , for Toys based on the California Proposition 65.

ND = Not Detected
Detected Limit = 0.01%(w/w)

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

Date Sample Received: 07 Jul, 2022
Testing Period: 07 Jul, 2022 To 12 Aug, 2022



Test Report

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Tests Conducted

18 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: Over 3 years.

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.	
<u>Test</u>	<u>Parameter</u>
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	P
	(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	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
	<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

Date Sample Received: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 04 Aug, 2022

19 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

Cellulose Nitrate/Celluloid	<u>Assessment</u> Absent	<u>Requirement</u> Absent
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Date Sample Received: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 04 Aug, 2022



Test Report

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Tests Conducted

20 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>
	(25)	
Tot. Lead (Pb)	<20	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: 07 Jul, 2022
 Testing Period: 07 Jul, 2022 To 12 Aug, 2022

21 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>
	(1)	(2)	(3)	(4)	(5)	(6)	
Tot. Lead (Pb)	<10	<10	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25



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Tests Conducted

	<u>Result (mg/kg)</u>						<u>Limit (mg/kg)</u>
	(7)	(8)	(9)	(10)	(11)	(12)	
Tot. Lead (Pb)	<10	<10	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result (mg/kg)</u>						<u>Limit (mg/kg)</u>
	(13)	(14)	(15)	(16)	(17)	(18)	
Tot. Lead (Pb)	<10	22	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result (mg/kg)</u>						<u>Limit (mg/kg)</u>	
	(19)	(20)	(21)	(22)	(23)	(24)	(26)	
Tot. Lead (Pb)	<10	<10	<10	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: mg/kg = Milligram per kilogram

Tot. = Total

Sol. = Soluble

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

Date Sample Received: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 12 Aug, 2022



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Tests Conducted

22 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+2+3)	ND	90
(4+5+6)	ND	90
(7+8+9)	ND	90
(10+11+12)	ND	90
(13+14)	11	90
(15)	ND	90
(16+17)	ND	90
(18)	ND	90
(19)	ND	90
(20+21)	ND	90
(22+23)	ND	90
(24)	ND	90
(25)	ND	90
(26)	ND	90
(27)	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: 07 Jul, 2022

Testing Period: 07 Jul, 2022 To 12 Aug, 2022



Test Report

Number: SHAH01474772

Tests Conducted

23 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>
	(1+2+3)	(4+5+6)	(7+8+9)	(10+11+12)	(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>
	(13+14)	(15)	(16+17)	(18)	(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>
	(19)	(20+21)	(22+23)	(24)	(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>
	(25)	(26)	(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.

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Tests Conducted

- 24 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>
(25)	<20	90

Remark : mg/kg = Milligram per kilogram

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

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Tests Conducted

Photo



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Tests Conducted





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Tests Conducted

The Samples Were Submitted By The Client, Only For Reference





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Tests Conducted





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Tests Conducted





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Tests Conducted

Components List:

- (1) Green plastic(body, trunk).
- (2) Light grey plastic(bumper).
- (3) Transparent plastic(front light).
- (4) Black plastic(steering wheel).
- (5) Red plastic(button on steering wheel).
- (6) Grey plastic(music player base).
- (7) Black plastic(door, frame).
- (8) Black plastic(seat).
- (9) Black plastic(adjuster of belt).
- (10) Grey plastic(accelerator pedal).
- (11) Red plastic(damping device).
- (12) Yellow plastic(shovel).
- (13) Black Plastic(Charger).
- (14) Black Plastic(Wheel).
- (15) Black Soft Plastic (Wheel Antiskid Part).
- (16) White plastic(remote control).
- (17) Black plastic(remote control button).
- (18) Black plastic with beige printing(charger).
- (19) Black plastic with white printing(button).
- (20) Blue soft plastic(wire covering).
- (21) Black soft plastic(wire covering).
- (22) Green soft plastic(wire covering).
- (23) White soft plastic(wire covering).
- (24) Black soft plastic with white printing(charger wire).
- (25) Black coating on metal(chassis).
- (26) Transparent adhesive plastic film with black, orange, black printing(body sticker).
- (27) Black webbing(safety belt).
- (28) Red Plastic.
- (29) Black Plastic.
- (30) Hot Pink Plastic.
- (31) White Plastic.
- (32) Brown Plastic.
- (33) Blue 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.

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