

**Test Report**

Number: SHAH01558725

Applicant: PINGHU CITY XIAO MING XING CHILDREN'S PRODUCTS CO.,LTD  
BLDG 1.,NO.1888 CANGDONG ROAD,XINCANG TOWN,PINGHU CITY,ZHEJIANG,CHINA

Date: 11 May, 2023

Sample Description:

One (1 ) Group of submitted sample said to be :  
Item Name : CHILDREN CAR.  
Item No. : XMX627.  
Labelled Age Group : 3+.  
Packaging Provided By Applicant : Yes.  
Country Of Origin : China

Tests Conducted:

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

Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-17 Physical And Mechanical Tests	Pass
Submitted Sample	U.S. ASTM F963-17 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

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. CFR Title 16 (CPSC Regulations) Mechanical and Physical Tests 1500.48 Sharp Point 1500.49 Sharp Edge 1501 Small parts	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	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
Tested Components Of Submitted Sample	California Proposition 65 for Toys Consent Judgement No. RG-356892 -Total Lead 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

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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 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 Regulations SOR/2011-17 Section 23 and amendment SOR/2022-122 On Toxic Elements Test	Pass
Tested Components (3)-(26),(28)-(35)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(36) 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 See Comment
Tested Components Of Submitted Sample	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Tested Components Of Submitted Sample	Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122 for total lead content test on products with applied stickers, films or surface coating materials	Pass
Tested Components Of Submitted Sample	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	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

Comment:

The Testing Scope Of The Following Standard (Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(A)&(B)) Was Not Applicable To The Submitted Sample. However, The Test Results Of The Sample Met The Related Requirements As Stated In This Report.

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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	P
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	P
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	P
4.18	Holes, Clearance, and Accessibility of Mechanisms	P
4.19	Simulated Protective Devices	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 8.16 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

#1 = The results of section 4.25, 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 Apr, 2023&09 May, 2023

Testing Period : 07 Apr, 2023 To 09 May, 2023

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Tests Conducted

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 Apr, 2023  
Testing Period : 07 Apr, 2023 To 05 May, 2023

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>
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<2.5	25

	<u>Result (ppm)</u>											<u>Limit (ppm)</u>
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<2.5	25

	<u>Result (ppm)</u>											<u>Limit (ppm)</u>
	(25)	(26)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<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	<2.5	25

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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 Apr, 2023  
Testing Period : 07 Apr, 2023 To 11 May, 2023

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

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

Tested Components: See Component List In The Last Section Of This Report.

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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:

Cohort Information: 3307611633/30331  
Description: Children car.  
ITEM NO: XMX627  
DATE CODE:20230331  
MANUFATUERER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd  
ADD:BLDG 1.,NO.1888 CANGDONG ROAD,XINCANG TOWN,PINGHU CITY,ZHEJIANG,CHINA.

Tracking Label Found on the Product:

Cohort Information: 3307611633/30331  
Description: Children car.  
ITEM NO: XMX627  
DATE CODE:20230331  
MANUFATUERER: Pinghu City Xiao Ming Xing Children's Products Co., Ltd  
ADD:BLDG 1.,NO.1888 CANGDONG ROAD,XINCANG TOWN,PINGHU CITY,ZHEJIANG,CHINA.

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 Apr, 2023  
Testing Period : 07 Apr, 2023 To 05 May, 2023

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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>
(1)	<20	90
(2)	<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 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

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Tests Conducted

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>
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11)	<10	100
(12)	20	100
(13)	<10	100
(14)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100
(18)	<10	100
(19)	<10	100
(20)	<10	100
(21)	<10	100
(22)	<10	100
(23)	<10	100
(24)	21	100
(25)	<10	100
(26)	23	100
(27)	<10	100
(28)	<10	100
(29)	<10	100
(30)	<10	100
(31)	<10	100
(32)	<10	100
(33)	<10	100
(34)	<10	100
(35)	27	100
(36)	19	100

Remark: ppm = parts per million = mg/kg

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023

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Tests Conducted

8 Physical and Mechanical Test

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

Applicant's Specified Age Group for Testing: 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	1	P	P	NA
Impact (1500.53 (b))	1	P	P	NA
Flexure (1500.53 (d))	0	NA	NA	NA
Torque (1500.53 (e))	1	P	P	NA
Tension (1500.53 (f))	1	P	P	NA
Compression (1500.53 (g))	1	P	P	NA

Remark: P = Pass

NA = Not Applicable

Date Sample Received : 07 Apr, 2023  
Testing Period : 07 Apr, 2023 To 05 May, 2023

9 Flammability Test

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

Result = Did Not Ignite

Date Sample Received : 07 Apr, 2023  
Testing Period : 07 Apr, 2023 To 05 May, 2023

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Tests Conducted

10 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)	(5)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.1

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

Test item	Result (%)					Limit (%) (Max.)
	(11)	(12)	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.1

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

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

Test item	Result (%)					Limit (%) (Max.)
	(26)	(28)	(29)	(30)	(31)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.1

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Test item	Result (%)				Limit (%) (Max.)
	(32)	(33)	(34)	(35)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1

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

Remark: ND = Not Detected  
Detection Limit = 0.01%

Tested Components: See Component List In The Last Section Of This Report.

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Testing Period : 07 Apr, 2023 To 11 May, 2023

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Tests Conducted

11 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>
(1)	<0.002	0.009
(2)	<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 Apr, 2023  
Testing Period : 07 Apr, 2023 To 11 May, 2023

12 Total Lead (Pb) Content in Surface Coating

As per standard operating procedure for determining Lead (Pb) in paint and other similar surface coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<20	90
(2)	<20	90

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

Remark: ppm = Parts per million = mg/kg

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023  
Testing Period : 07 Apr, 2023 To 11 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

13 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11)	<10	100
(12)	20	100
(13)	<10	100
(14)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100
(18)	<10	100
(19)	<10	100
(20)	<10	100
(21)	<10	100
(22)	<10	100
(23)	<10	100
(24)	21	100
(25)	<10	100
(26)	23	100
(27)	<10	100
(28)	<10	100
(29)	<10	100
(30)	<10	100
(31)	<10	100
(32)	<10	100
(33)	<10	100
(34)	<10	100
(35)	27	100
(36)	19	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 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

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## Test Report

Number: SHAH01558725

### Tests Conducted

14 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)	<0.002
(2)	<0.002
(3)	<0.001
(4)	<0.001
(5)	<0.001
(6)	<0.001
(7)	<0.001
(8)	<0.001
(9)	<0.001
(10)	<0.001
(11)	<0.001
(12)	0.002
(13)	<0.001
(14)	<0.001
(15)	<0.001
(16)	<0.001
(17)	<0.001
(18)	<0.001
(19)	<0.001
(20)	<0.001
(21)	<0.001
(22)	<0.001
(23)	<0.001
(24)	0.0021
(25)	<0.001
(26)	0.0023
(27)	<0.001
(28)	<0.001
(29)	<0.001
(30)	<0.001
(31)	<0.001
(32)	<0.001
(33)	<0.001
(34)	<0.001
(35)	0.0027
(36)	0.0019

### 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 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted  
15 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)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	--

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

	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(11)	(12)	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	--

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**Test Report**

Number: SHAH01558725

Tests Conducted

	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(16)	(17)	(18)	(19)	(20)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(21)	(22)	(23)	(24)	(25)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(26)	(28)	(29)	(30)	(31)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	--

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**Test Report**

Number: SHAH01558725

Tests Conducted

	<u>Result (%. w/w)</u>				<u>Limit (%. w/w)</u>
	(32)	(33)	(34)	(35)	
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	--

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 Apr, 2023  
 Testing Period : 07 Apr, 2023 To 11 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

16 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)	<20	90
(2)	<20	90
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11)	<10	100
(12)	20	100
(13)	<10	100
(14)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100
(18)	<10	100
(19)	<10	100
(20)	<10	100
(21)	<10	100
(22)	<10	100
(23)	<10	100
(24)	21	100
(25)	<10	100
(26)	23	100
(27)	<10	100
(28)	<10	100
(29)	<10	100
(30)	<10	100
(31)	<10	100
(32)	<10	100
(33)	<10	100
(34)	<10	100
(35)	27	100
(36)	19	100

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## Test Report

Number: SHAH01558725

### Tests Conducted

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 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

### 17 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.

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

No.	Testing Items	Assessment
3	General - English and French bilingual statement	P
4	Packaging	
	(a) The opening perimeter is less than 14 inches	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



**Test Report**

Number: SHAH01558725

Tests Conducted

No.	Testing Items	Assessment
	<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
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 Apr, 2023

Testing Period : 07 Apr, 2023 To 05 May, 2023

18 Cellulose Nitrate and Celluloid

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

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

Date Sample Received : 07 Apr, 2023

Testing Period : 07 Apr, 2023 To 05 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

19 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>
	(1)	(2)	
Tot. Lead (Pb)	<20	<20	90
Tot. Mercury (Hg)	ND	ND	ND
Sol. Cadmium (Cd)	<10	<10	1000
Sol. Antimony (Sb)	<10	<10	1000
Sol. Selenium (Se)	<10	<10	1000
Sol. Arsenic (As)	<10	<10	1000
Sol. Barium (Ba)	<10	<10	1000

Remark: mg/kg = Milligram per kilogram

Tot. = Total

Sol. = Soluble

ND = Not Detected (<0.047 mg/kg)

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

20 Toxic Elements Analysis (CCPSA SOR/2011-17 and Amendment SOR/2022-122)

With reference to Method C-02.2.1, C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry and Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result(mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)		
Tot. Lead (Pb)	ND	ND	10	90
Tot. Mercury (Hg)	ND	ND	0.047	10
Sol. Cadmium (Cd)	ND	ND	5	1000
Sol. Antimony (Sb)	ND	ND	5	1000
Sol. Selenium (Se)	ND	ND	5	1000
Sol. Arsenic (As)	ND	ND	2.5	1000
Sol. Barium (Ba)	ND	ND	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and Amendment SOR/2022-122 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total  
 Sol. = Soluble  
 ND = Not Detected (less than reporting limit)

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023  
 Testing Period : 07 Apr, 2023 To 11 May, 2023

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## Test Report

Number: SHAH01558725

### Tests Conducted

#### 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>
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
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

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Tot. Lead (Pb)	<10	<10	20	<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

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
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

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**Test Report**

Number: SHAH01558725

Tests Conducted

	<u>Result (mg/kg)</u>						<u>Limit (mg/kg)</u>
	(24)	(25)	(26)	(28)	(29)	(30)	
Tot. Lead (Pb)	21	<10	23	<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>
	(31)	(32)	(33)	(34)	(35)	(36)	
Tot. Lead (Pb)	<10	<10	<10	<10	27	19	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

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 Apr, 2023  
 Testing Period : 07 Apr, 2023 To 11 May, 2023

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## Test Report

Number: SHAH01558725

### Tests Conducted

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.

<u>Tested Component</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
(1)	ND	90
(2)	ND	90
(3)	ND	90
(4)	ND	90
(5)	ND	90
(6)	ND	90
(7)	ND	90
(8)	ND	90
(9)	ND	90
(10)	ND	90
(11)	ND	90
(12)	20	90
(13)	ND	90
(14)	ND	90
(15)	ND	90
(16)	ND	90
(17)	ND	90
(18)	ND	90
(19)	ND	90
(20)	ND	90
(21)	ND	90
(22)	ND	90
(23)	ND	90
(24)	21	90
(25)	ND	90
(26)	23	90
(27)	ND	90
(28)	ND	90
(29)	ND	90
(30)	ND	90
(31)	ND	90
(32)	ND	90
(33)	ND	90
(34)	ND	90
(35)	27	90
(36)	19	90

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**Test Report**

Number: SHAH01558725

Tests Conducted

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

Remark: Reporting Limit = 10 mg/kg for substrate, 20 mg/kg for coating  
ND=Not Detected (Less than reporting limit)

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023  
Testing Period : 07 Apr, 2023 To 11 May, 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.

<u>Tested Component</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
(1)	<20	90
(2)	<20	90

Remark: mg/kg = Milligram per kilogram

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023  
Testing Period : 07 Apr, 2023 To 11 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

24 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

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(1)	(2)	(3)	(4)	(5)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(6)	(7)	(8)	(9)	(10)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(11)	(12)	(13)	(14)	(15)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(16)	(17)	(18)	(19)	(20)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

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**Test Report**

Number: SHAH01558725

Tests Conducted

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(21)	(22)	(23)	(24)	(25)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

Tested Compound	Result (mg/kg)					Limit(mg/kg) (Max.)
	(26)	(28)	(29)	(30)	(31)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	1000

Tested Compound	Result (mg/kg)				Limit(mg/kg) (Max.)
	(32)	(33)	(34)	(35)	
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

Remark: The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188 for phthalate content on toys and child care articles.

Detection Limit = 100mg/kg

ND = Not Detected

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received : 07 Apr, 2023

Testing Period : 07 Apr, 2023 To 11 May, 2023

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## Test Report

Number: SHAH01558725

Tests Conducted  
25 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: Vehicle : 12 V, 7 Ah, Lead-acid rechargeable battery X 1pc.

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

Charger: Type: Input 100-240 V A.C., Output 15 V D.C.(Provided)

Model: ZNL-G150100

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.	
	- 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 UL-94 V-0 or have a glow wire ignition rating of 750°C.	
	- The switch body shall not result in a short circuit condition when subjected to the switch endurance test and overload tests.	P
	- The switch shall not fail in a mode that could cause the vehicle to run continuously (switch stuck in the "on" position) when subjected to the endurance test and the overload test.	
4.25.10.5	User replaceable circuit protection devices in battery powered ride on toys.	
	- User replaceable circuit protection devices provided by the manufacturer in battery-powered ride-on toys shall be listed, recognized or certified by a Nationally Recognized Test Laboratory (NRTL) (that is, a laboratory recognized in accordance with 29 CFR 1910) to an appropriate electrical safety standard.	NA
	- All circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design	





**Test Report**

Number: SHAH01558725

Tests Conducted

	which does not easily allow tempering such as a design requiring excessive force to open.	
4.25.10.6	Batteries and battery chargers. - Battery connectors must be constructed of material with a UL94 V-0 flame rating or have a glow wire ignition rating of 750°C. - The battery charging system shall not present a risk of fire due to a short circuit condition applied to any point in the length of a charger/battery. - During charging, battery-charging voltages shall not exceed the recommended charging voltages. - Battery charges must be certified to the appropriate standard body. Reference document of certified body: E5018139	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 Apr, 2023

Testing Period : 07 Apr, 2023 To 05 May, 2023

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**Test Report**

Number: SHAH01558725

Tests Conducted

Photo

SHAH01558725



SHAH01558725



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## Test Report

Number: SHAH01558725

### Tests Conducted



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**Test Report**

Number: SHAH01558725

Tests Conducted

The Sample Were Submitted By Client's, Only For Reference.



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**Test Report**

Number: SHAH01558725

Tests Conducted  
Components List:

- (1) Silver Coating On Plastic(Front Fence, On Steering Wheel).
- (2) Black Coating On Metal(Frame).
- (3) White Adhesive Plastic Film With Multi-Color Printing(Instrument Panel).
- (4) Transparent Adhesive Soft Plastic(Gear Lever).
- (5) Black Soft Plastic With White Printing(Wire Covering).
- (6) Red Soft Plastic With Black Printing(Wire Covering).
- (7) White Soft Plastic With Black Printing(Wire Covering).
- (8) Blue Soft Plastic With Black Printing(Wire Covering).
- (9) Black Soft Plastic With White Printing(Wire Protect).
- (10) Red Plastic(Body).
- (11) Black Plastic(Wheel).
- (12) Light Grey Plastic(Wheel Hub, Button On Steering Wheel).
- (13) Transparent Plastic(Front Light).
- (14) Black Plastic(Front Fence).
- (15) Black Transparent Plastic(Front Window, Door Window).
- (16) Black Plastic(Instrument Panel).
- (17) Black Plastic(Steering Wheel).
- (18) Black Plastic(Button On Instrument Panel).
- (19) Black Plastic(Accelerator Panel).
- (20) Black Plastic(Gear Lever).
- (21) Red Plastic(Door Lock).
- (22) Black Plastic(Seat).
- (23) White Plastic(Chassis).
- (24) Black Plastic(Chassis).
- (25) White Plastic(Coupling Of Wheel).
- (26) Black Plastic(Training Wheel).
- (27) Silver Metal Excluding Coating(Frame).
- (28) Blue Plastic.
- (29) White Plastic.
- (30) Khaki Plastic.
- (31) Black Plastic.
- (32) Bright Black Plastic.
- (33) Bright Red Plastic.
- (34) Bright Blue Plastic.
- (35) Black Plastic(safety Belt Adjuster).
- (36) Black Webbing(Safety Belt).

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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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