

Test Report

Number: SHAH01621503

Applicant: PINGHU QILESHI BABY CARRIER CO., LTD
NO.1698 CANGDONG ROAD XINCANG
TOWN PINGHU CITY ZHEJIANG PROVINCE
Attn: YAN JUN YANG

Date: 08 Nov, 2023

Sample Description:

One (1) group of submitted sample said to be :
Item Name : CHILDREN ELECTRIC CAR
Item No. : QLS-3288.
Labelled Age Group : 37-95 months.
Packaging Provided By Applicant : Yes(Art work).
Goods Exported To : USA CANADA.
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 Excluding Clause 4.25, 5.15, 6.5, 6.6, 7.2	Pass
Submitted Sample	U.S. ASTM F963-23 For Physical and Mechanical Tests Excluding Section 4.25, 5.14, 6.5, 6.6, 7.2	Pass
Submitted Sample	U.S. ASTM F963-17 Flammability Test of Materials Other Than Textile Materials	Pass
Submitted Sample	U.S. ASTM F963-23 Flammability Test of Materials Other Than Textile Materials	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 F963-23 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 Materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-23 For Total Lead Content In Non-Surface Coating Materials	Pass

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



Bill Zhang
General Manager



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested Components Of Submitted Sample	U.S. ASTM F963-17 For Heavy Metal Elements Test On Surface Coating Material	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-23 For Heavy Metal Elements Test On Surface Coating Material	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 F963-23 section 4.3.5.2(2)(a)(b) For Heavy Metal Elements Test On Non-Surface Coating Materials	Pass
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass
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 Pass Not Applicable
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	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. 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 Non-Surface Coating Materials (Substrate)	Pass
Tested Components Of Submitted Sample	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
Tested Components Of Submitted Sample	California Proposition 65 for Toys Consent Judgement No. RG-356892 -Total Lead Content	Pass
Tested Components Of Submitted Sample	California Proposition 65 for Toys Consent Judgment No. BG-350969 - Phthalate Content	Pass

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Conclusion:

<u>Tested Samples</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)	
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 Regulations SOR/2011-17 Section 23 And Amendment SOR/2022-122 On Toxic Elements Test	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 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	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

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General Manager



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Tests Conducted

1. Physical and Mechanical Tests

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

Applicant's Specified Age Group for Testing: For 37 - 95 months.

The Submitted Samples Were Undergone The Use And Abuse Tests In Accordance With The Federal Hazardous Substances Act (FHSA), Title 16, Code Of Federal Regulations: -		
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

<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	NR#
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



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

Remark: The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 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

NR= Not Request

= As applicant's request, section 4.25, 5.15, 6.5, 6.6, 7.2 for Battery-operated Toys were not assessed

Date Sample Received : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 24 Oct, 2023



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Tests Conducted

2. Physical And Mechanical Tests

As Per The ASTM Standard Consumer Safety Specification For Toy Safety F963-23.

Applicant's Specified Age Group For Testing: For 37 - 95 Months.

The Submitted Samples Were Undergone The Use And Abuse Tests In Accordance With The Federal Hazardous Substances Act (FHSA), Title 16, Code Of Federal Regulations: -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Tip Over Test	Section 1500.53(b)	3 Times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality (Visual Check on Cleanliness)	P
4.3.7	Stuffing Materials	NA
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	NR#



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Section	Testing Items	Assessment
4.26	Toys Intended to Be Attached to A Crib or Playpen	NA
4.27	Stuffed And Beanbag-Type Toys	NA
4.28	Stroller And Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yoyo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labelling Requirement	P#
6	Instructional Literature	P#
7.1	Producer's Markings - Name Of Producer/Distributor - Address	Yes Yes
7.3	Toy Chests - Name of Manufacturer/Distributor/Seller (Toy) - Address (City, State and Zip Code) of Manufacturer/Distributor/Seller (Toy) - Date Code (Toy and Package/Shipping Container)	NA

Remark: P = Pass

NR= Not Request

NA = Not Applicable

The Submitted Samples Were Undergone the Tests in Accordance with Section 8.5 Through Section 8.18 And 8.20 Through 8.26 On Normal Use, Abuse and Specific Tests for Different Types of Toys Whichever Is Applicable.

= As applicant's request, section 4.25, 5.14, 6.5,6.6,7.2 for Battery-operated Toys were not assessed.

Date Sample Received : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 27 Oct, 2023



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Tests Conducted

3. Flammability Test

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 : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 27 Oct, 2023

4. Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-23.

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 27 Oct, 2023

5. Total Lead (Pb) Content for Surface 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.

Test Item	Result in ppm		Reporting Limit (ppm)	Limit (ppm)
	(1)	(2)		
Lead(Pb)	ND	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

6. Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm		Reproting Limit (ppm)	Limit (ppm)
	(1)	(2)		
Lead(Pb)	ND	ND	20	90

Remark: ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023

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.

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Lead(Pb)	ND	36	ND	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm							Reproting Limit (ppm)	Limit (ppm)
	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm							Reproting Limit (ppm)	Limit (ppm)
	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)		
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

8. Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, 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.

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Lead(Pb)	ND	36	ND	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(11)	(12)	(13)	(14)	(15)	(16)	(17)			
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND		10	100

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(18)	(19)	(20)	(21)	(22)	(23)	(24)			
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND		10	100

Test Item	Result in ppm								Reproting Limit (ppm)	Limit (ppm)
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)		
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

9. 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.

Test Item	Result (ppm)		Reporting Limit	Limit
	(1)	(2)	(ppm)	(ppm)
Sol. Barium (Ba)	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	2.5	25

Remark: Sol. = Soluble
ppm = parts per million = mg/kg
spl.wt. = Sample weight
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

10. Heavy Metal Elements Analysis (Surface Coating)

As per section 4.3.5.1 of the ASTM standard consumer safety specification on toy safety F963-23, CPSC-CH-E1003-09.1 and extraction methods were used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (ppm)		Reporting Limit	Limit
	(1)	(2)	(ppm)	(ppm)
Sol. Barium (Ba)	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	2.5	25

Remark: Sol. = Soluble
ppm = parts per million = mg/kg
spl.wt. = Sample weight
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

11. 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.

Test Item	Result (ppm)								Reporting Limit (ppm)	Limit (ppm)
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	2.5	25

Test Item	Result (ppm)							Reporting Limit (ppm)	Limit (ppm)
	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	2.5	25

Test Item	Result (ppm)							Reporting Limit (ppm)	Limit (ppm)
	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	2.5	25



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Test Item	Result (ppm)								Reporting Limit (ppm)	Limit (ppm)
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	2.5	25

Remark: Sol. = Soluble
ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Tests Conducted

12. 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 F963-23, 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.

Test Item	Result (ppm)								Reporting Limit (ppm)	Limit (ppm)
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	2.5	25

Test Item	Result (ppm)							Reporting Limit (ppm)	Limit (ppm)
	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	2.5	25

Test Item	Result (ppm)							Reporting Limit (ppm)	Limit (ppm)
	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	2.5	25



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Tests Conducted

Test Item	Result (ppm)								Reporting Limit (ppm)	Limit (ppm)
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)		
Sol. Barium (Ba)	ND	ND	ND	ND	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	2.5	25

Remark: Sol. = Soluble
ppm = parts per million = mg/kg
ND= Not Detected (Less than reporting limit)

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023

13. Tracking Label Assessment

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

Tracking Label Found on the Packaging:

Manufacturer Name: Pinghu Qileshi Baby Carrier Co.,Ltd
Manufacturer Address: No.1698 Cangdong Road Xincang Town Pinghu City Zhejiang Province China
Item No.: QLS-3288
Date No.: 2023.10.10
Cohort Information: QLS231010HY

Tracking Label Found on the Product:

Manufacturer Name: Pinghu Qileshi Baby Carrier Co.,Ltd
Manufacturer Address: No.1698 Cangdong Road Xincang Town Pinghu City Zhejiang Province China
Item No.: QLS-3288
Date No.: 2023.10.10
Cohort Information: QLS231010HY

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 : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 27 Oct, 2023



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Tests Conducted

14. Physical and Mechanical Test

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

Applicant's Specified Age Group for Testing: For 37 - 95 Months.

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

Remark: P = Pass

NA = Not Applicable

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 27 Oct, 2023

15. Flammability Test

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 : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 27 Oct, 2023



Test Report

Number: SHAH01621503

Tests Conducted

16. 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 : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023

17. 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 : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



Test Report

Number: SHAH01621503

Tests Conducted

18. 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)	36	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11)	<10	100
(12)	<10	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)	<10	100
(25)	<10	100
(26)	<10	100
(27)	<10	100
(28)	<10	100
(29)	<10	100
(30)	<10	100
(31)	<10	100
(32)	<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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



Test Report

Number: SHAH01621503

Tests Conducted

19. 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 (%)</u> <u>(Max.)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.02	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1

<u>Test item</u>	<u>Result (%)</u>								<u>Limit (%)</u> <u>(Max.)</u>
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	0.01	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1

<u>Test item</u>	<u>Result (%)</u>								<u>Limit (%)</u> <u>(Max.)</u>
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1



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Number: SHAH01621503

Tests Conducted

<u>Test item</u>	<u>Result (%)</u>								<u>Limit (%)</u> <u>(Max.)</u>
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	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%

@= As requested by the applicant, the surface coatings were tested with the substrate for phthalate test. With the consideration of the dilution factor, the testing result may not represent the result of the individual coatings and substrate.

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

20. 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)	36	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(11)	<10	100
(12)	<10	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)	<10	100
(25)	<10	100
(26)	<10	100
(27)	<10	100
(28)	<10	100
(29)	<10	100
(30)	<10	100
(31)	<10	100
(32)	<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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



Test Report

Number: SHAH01621503

Tests Conducted

21. 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)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.02	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>								<u>Limit (% w/w)</u>
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	0.01	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	--

	<u>Result (% w/w)</u>								<u>Limit (% w/w)</u>
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	--



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Number: SHAH01621503

Tests Conducted

	<u>Result (%. w/w)</u>								<u>Limit (%. w/w)</u>
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	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)

@= As requested by the applicant, the surface coatings were tested with the substrate for phthalate test. With the consideration of the dilution factor, the testing result may not represent the result of the individual coatings and substrate.

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

Date Sample Received : 17 Oct, 2023
Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

22. 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)	0.0036
(5)	<0.001
(6)	<0.001
(7)	<0.001
(8)	<0.001
(9)	<0.001
(10)	<0.001
(11)	<0.001
(12)	<0.001
(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)	<0.001
(25)	<0.001
(26)	<0.001
(27)	<0.001
(28)	<0.001
(29)	<0.001
(30)	<0.001
(31)	<0.001
(32)	<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).

Remark: < = Less Than

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

Date Sample Received : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

23. Physical and Mechanical Test

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

Applicant specified age group for testing: For 37 - 95 Months.

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

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

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



Test Report

Number: SHAH01621503

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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 27 Oct, 2023

24. Cellulose Nitrate and Celluloid

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

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

Date Sample Received : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 27 Oct, 2023



Test Report

Number: SHAH01621503

Tests Conducted

25. 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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



Test Report

Number: SHAH01621503

Tests Conducted

26. 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> <u>(Max.)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	201	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>								<u>Limit(mg/kg)</u> <u>(Max.)</u>
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	148	ND	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>								<u>Limit(mg/kg)</u> <u>(Max.)</u>
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	1000

<u>Tested Compound</u>	<u>Result (mg/kg)</u>								<u>Limit(mg/kg)</u> <u>(Max.)</u>
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND	1000



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Tests Conducted

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

@= As requested by the applicant, the surface coatings were tested with the substrate for phthalate test. With the consideration of the dilution factor, the testing result may not represent the result of the individual coatings and substrate.

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

Date Sample Received : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023

27. 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)	(10)	
Tot. Lead (Pb)	<10	36	<10	<10	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<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	<2.5	25

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
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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Tests Conducted

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
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>
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
Tot. Lead (Pb)	<10	<10	<10	<10	<10	<10	<10	<10
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

28. 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)	36	90
(5)	ND	90
(6)	ND	90
(7)	ND	90
(8)	ND	90
(9)	ND	90
(10)	ND	90
(11)	ND	90
(12)	ND	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)	ND	90
(25)	ND	90
(26)	ND	90
(27)	ND	90
(28)	ND	90
(29)	ND	90
(30)	ND	90
(31)	ND	90
(32)	ND	90

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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

29. 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 : 17 Oct, 2023

Testing Period : 17 Oct, 2023 To 08 Nov, 2023



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Number: SHAH01621503

Tests Conducted

The Samples Were Submitted By The Client, Only For Reference.



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Tests Conducted

Components List:

- (1) Gun color coating on plastic(wheel hub).
- (2) Black coating on metal(chassis).
- (3) Black plastic(seat).
- (4) Black plastic(wheel).
- (5) Black soft plastic(handlebar).
- (6) Black plastic (charger).
- (7) Red transparent plastic (button).
- (8) Black plastic (button).
- (9) White adhesive plastic film with multi-color printing(instrument panel).
- (10) Dark blue plastic(body).
- (11) Light blue plastic(body).
- (12) Blue plastic(body).
- (13) White plastic(body).
- (14) Grey plastic(body).
- (15) Pink plastic(body).
- (16) brown plastic(body).
- (17) purple plastic(body).
- (18) Black plastic(body).
- (19) Dark green plastic(body).
- (20) Green plastic(body).
- (21) Yellow plastic(body).
- (22) Red plastic(body).
- (23) Orange plastic(body).
- (24) Red transparent plastic(body).
- (25) White translucent plastic(body).
- (26) Yellow soft plastic(wire covering).
- (27) Orangesoft plastic(wire covering).
- (28) Red soft plastic(wire covering).
- (29) brown soft plastic(wire covering).
- (30) Black soft plastic(wire covering).
- (31) Green soft plastic(wire covering).
- (32) White soft plastic(wire covering).

End Of Report

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

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

