

Test Report

Number: SHAH01733347

Applicant: CHIZHOU HAIZHIBAO CHILDREN PRODUCTS CO., LTD
MATANG INDUSTRIAL PARK, DINGQIAO TOWN,
QINGYANG COUNTY, CHIZHOU CITY
Attn: RITA CAO

Date: 03 Jan, 2025

Sample Description:

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

Item Name : Toy Car
Item No. : HZB-1528.
Labelled Age Group : Over 3 years.
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).

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>
Submitted Sample Set	U.S. ASTM F963-23 Physical And Mechanical Tests Excluding Section 4.25	Pass
Submitted Sample Set	U.S. ASTM F963-23 Flammability Test Of Materials Other Than Textile Materials	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 F963-23 For Total Lead Content In Non-Surface Coating Materials	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 F963-23 Section 4.3.5.2(2)(A)(B) For Heavy Metal Elements Test On Non-Surface Coating Materials	Pass
Submitted Sample Set	Consumer Product Safety Act section 14(a)(5) Tracking Labels For Children Products	Pass
Submitted Sample Set	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 Set	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

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
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
Tested Components Of Submitted Sample	Illinois Lead Poisoning Prevention Act 410 ILCS 45 section 6 (Public Act 095-1019)	Pass
Submitted Sample Set	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 Set	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 In Products With Applied Stickers, Films Or Surface Coating Materials	Pass
Tested Components Of Submitted Sample	ASTM F963-23 Section 4.3.8 On Phthalates Content	Pass

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Tests Conducted

1 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: Over 36 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>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Tip over test	---	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

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.

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	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 children at least 36 months but less than 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 (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA



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Section	Requirement	Result
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
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 #
5.1.2	Tracking label on product and packaging	P
6	Instructional literature	P #
7	Producer's markings	
7.1	Name of producer/distributor	Yes
	Address	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Abbreviation: P = Pass NA= Not Applicable NR=Not Requested

= As applicant's request, section 4.25 was not assessed.

Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 05 Nov, 2024



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Tests Conducted

2 Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 05 Nov, 2024

3 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	Limit
	(11)	(ppm)	(ppm)
Lead(Pb)	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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024

4 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	Limit
	(1)	(3)	(4)	(5)	(6)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm					Reproting Limit	Limit
	(7)	(8)	(9)	(10)	(12)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm						Reproting Limit	Limit
	(13)	(14)	(15)	(16)	(17)	(18+19)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm					Reproting Limit	Limit
	(20+21)	(22+23)	(24+25)	(26+27)	(28+29)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	ND	10	100



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Test Item	Result in ppm					Reproting Limit (ppm)	Limit (ppm)
	(30+31)	(32+33)	(34+35)	(36+37)	(38+39)		
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Test Item	Result in ppm						Reproting Limit (ppm)	Limit (ppm)
	(40+41)	(42+43)	(44+45)	(46)	(47)	(48)		
Lead(Pb)	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.

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5 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 (ppm)	Limit (ppm)
	(11)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	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.

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6 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)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
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)
	(8)	(9)	(10)	(12)	(13)	(14)	(15)		
Sol. Barium (Ba)	ND	ND	12	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)
	(16)	(17)	(18)	(19)	(20)	(21)	(22)		
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)
	(23)	(24)	(25)	(26)	(27)	(28)	(29)		
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)
	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
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)
	(37)	(38)	(39)	(40)	(41)	(42)	(43)		
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)
	(44)	(45)	(46)		
Sol. Barium (Ba)	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	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 : 03 Sep, 2024
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7 Tracking Label Assessment

As per Consumer Product Safety Act Section 14(a)(5) (CPSA, 15 U.S.C. §2063(a)(5)) tracking labels for children products

Tracking Label Found on the Packaging:

Manufacturer Name: Chizhou Haizhibao Children Products Co.,Ltd
Manufacturer Address: Matang Industrial Park DingqiaoTown Qingyang County,Chizhou City, Anhui Province, China
Item No.: HZB-1528
Date No.:Sept,2024
City : Chizhou City, Anhui Province
Cohort Information: PO#2434CHZB1528

Tracking Label Found on the Product:

Manufacturer Name: Chizhou Haizhibao Children Products Co.,Ltd
Manufacturer Address: Matang Industrial Park DingqiaoTown Qingyang County,Chizhou City, Anhui Province, China
Item No.: HZB-1528
Date No.:Sept,2024
City : Chizhou City, Anhui Province
Cohort Information: PO#2434CHZB1528

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

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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 36 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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 05 Nov, 2024

9 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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 05 Nov, 2024

10 Total Lead (Pb) Content in Surface Coating

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

<u>Tested Component</u> (11)	<u>Result (ppm)</u> <20	<u>Limit (ppm)</u> 90
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The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark: ppm = Parts per million = mg/kg

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

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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>
(11)	<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.

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

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

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<10	100
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100
(9)	<10	100
(10)	<10	100
(12)	<10	100
(13)	<10	100
(14)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100
(18+19)	<10	100
(20+21)	<10	100
(22+23)	<10	100
(24+25)	<10	100
(26+27)	<10	100
(28+29)	<10	100
(30+31)	<10	100
(32+33)	<10	100
(34+35)	<10	100
(36+37)	<10	100
(38+39)	<10	100
(40+41)	<10	100
(42+43)	<10	100
(44+45)	<10	100
(46)	<10	100
(47)	<10	100
(48)	<10	100



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

Remark: ppm = Parts per million = mg/kg

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

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13 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)	(3)	(4)	(5)	(6)	(7)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	0.1

<u>Test item</u>	<u>Result (%)</u>						<u>Limit (%)</u> <u>(Max.)</u>
	(8)	(9)	(10)	(11)	(12)	(13)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	0.1



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<u>Test item</u>	<u>Result (%)</u>					<u>Limit (%)</u> <u>(Max.)</u>
	(14)	(15)	(16)	(17)	(18+19+20)	
Dibutyl phthalate (DBP)	0.02	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

<u>Test item</u>	<u>Result (%)</u>					<u>Limit (%)</u> <u>(Max.)</u>
	(21+22+23)	(24+25+26)	(27+28+29)	(30+31+32)	(33+34+35)	
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

<u>Test item</u>	<u>Result (%)</u>				<u>Limit (%)</u> <u>(Max.)</u>
	(36+37)	(38+39+40)	(41+42+43)	(44+45+46)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1



Test Report

Number: SHAH01733347

Tests Conducted

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 : 03 Sep, 2024
Testing Period : 03 Sep, 2024 To 19 Dec, 2024

14 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)	<10	100
(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)	<20	90
(12)	<10	100
(13)	<10	100
(14)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100
(18+19)	<10	100
(20+21)	<10	100
(22+23)	<10	100
(24+25)	<10	100
(26+27)	<10	100
(28+29)	<10	100
(30+31)	<10	100
(32+33)	<10	100
(34+35)	<10	100
(36+37)	<10	100
(38+39)	<10	100
(40+41)	<10	100
(42+43)	<10	100
(44+45)	<10	100
(46)	<10	100
(47)	<10	100
(48)	<10	100



Test Report

Number: SHAH01733347

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 : 03 Sep, 2024
Testing Period : 03 Sep, 2024 To 19 Dec, 2024

15 Phthalate Content

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

Table with 2 main sections. Each section has 9 columns: Component Name, (1), (3), (4), (5), (6), (7), (8), (9), and Limit (% w/w). The first section lists DBP, DEHP, BBP, DIDP, DnHP, and DINP with results (1)-(9). The second section lists the same components with results (10)-(17). All results are ND except for (14) which is 0.02.



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Tests Conducted

	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(18+19+20)	(21+22+23)	(24+25+26)	(27+28+29)	(30+31+32)	
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>
	(33+34+35)	(36+37)	(38+39+40)	(41+42+43)	(44+45+46)	
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	--

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.

@= 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.

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

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

Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024



Test Report

Number: SHAH01733347

Tests Conducted

16 Total Lead (Pb) Content

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

<u>Tested Component</u>	<u>Result in %</u>
(1)	<0.001
(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)	<0.002
(12)	<0.001
(13)	<0.001
(14)	<0.001
(15)	<0.001
(16)	<0.001
(17)	<0.001
(18+19)	<0.001
(20+21)	<0.001
(22+23)	<0.001
(24+25)	<0.001
(26+27)	<0.001
(28+29)	<0.001
(30+31)	<0.001
(32+33)	<0.001
(34+35)	<0.001
(36+37)	<0.001
(38+39)	<0.001
(40+41)	<0.001
(42+43)	<0.001
(44+45)	<0.001
(46)	<0.001
(47)	<0.001
(48)	<0.001

Requirement:

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

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

Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024



Test Report

Number: SHAH01733347

Tests Conducted

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 36 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: SHAH01733347

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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 20 Nov, 2024

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

Cellulose Nitrate/Celluloid	<u>Assessment</u> Absent	<u>Requirement</u> Absent
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Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 05 Nov, 2024



Test Report

Number: SHAH01733347

Tests Conducted

19 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 F963-23, 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.

<u>Test Item</u>	<u>Result (mg/kg)</u>	<u>Reporting Limit (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(11)		
Tot. Lead (Pb)	ND	10	90
Tot. Mercury (Hg)	ND	0.047	10
Sol. Cadmium (Cd)	ND	5	1000
Sol. Antimony (Sb)	ND	5	1000
Sol. Selenium (Se)	ND	5	1000
Sol. Arsenic (As)	ND	2.5	1000
Sol. Barium (Ba)	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.

Remark : 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 : 03 Sep, 2024
Testing Period : 03 Sep, 2024 To 19 Dec, 2024

20 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)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
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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Number: SHAH01733347

Tests Conducted

<u>Tested Compound</u>	<u>Result (mg/kg)</u>								<u>Limit(mg/kg)</u> <u>(Max.)</u>
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	232	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>
	(18+19+20)	(21+22+23)	(24+25+26)	(27+28+29)	(30+31+32)	
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

<u>Tested Compound</u>	<u>Result (mg/kg)</u>					<u>Limit(mg/kg)</u> <u>(Max.)</u>
	(33+34+35)	(36+37)	(38+39+40)	(41+42+43)	(44+45+46)	
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

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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024



Test Report

Number: SHAH01733347

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>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Tot. Lead (Pb)	<10	12	<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>
	(9)	(10)	(12)	(13)	(14)	(15)	(16)	
Tot. Lead (Pb)	<10	<10	<10	<10	<10	<10	<10	90
Sol. Barium (Ba)	<5	12	<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

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(24)	(25)	(26)	(27)	(28)	(29)	(30)	
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



Test Report

Number: SHAH01733347

Tests Conducted

	<u>Result (mg/kg)</u>							<u>Limit (mg/kg)</u>
	(31)	(32)	(33)	(34)	(35)	(36)	(37)	
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>
	(38)	(39)	(40)	(41)	(42)	(43)	(44)	
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>
	(45)	(46)	
Tot. Lead (Pb)	<10	<10	90
Sol. Barium (Ba)	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	75
Sol. Antimony (Sb)	<5	<5	60
Sol. Chromium (Cr)	<5	<5	60
Sol. Selenium (Se)	<5	<5	500
Sol. Arsenic (As)	<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 : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024



Test Report

Number: SHAH01733347

Tests Conducted

22 Total Lead (Pb) Content (Canada Consumer Products Containing Lead Regulations SOR/2018-83)

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 analysis.

Test Item	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)		
Lead	ND	12	ND	ND	ND	10	90

Test Item	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(6)	(7)	(8)	(9)	(10)		
Lead	ND	ND	ND	ND	ND	10	90

Test Item	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(11)	(12)	(13)	(14)	(15)		
Lead	ND	ND	ND	ND	ND	10	90

Test Item	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	(16)	(17)	(18+19)	(20+21)		
Lead	ND	ND	ND	ND	10	90

Test Item	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	(22+23)	(24+25)	(26+27)	(28+29)		
Lead	ND	ND	ND	ND	10	90

Test Item	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	(30+31)	(32+33)	(34+35)	(36+37)	(38+39)		
Lead	ND	ND	ND	ND	ND	10	90

Test Item	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(40+41)	(42+43)	(44+45)		
Lead	ND	ND	ND	10	90

Test Item	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(46)	(47)	(48)		
Lead	ND	ND	ND	10	90

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

Remark: ND=Not Detected (Less than reporting limit)

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

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23 Total Lead (Pb) Content on Products with Applied Stickers, Films or Surface Coating Materials (SOR/2016-193 Section 6 and Amendment SOR/2022-122)

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.

Test Item	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	(11)		
Lead	ND	10	90

Remark : mg/kg = milligram per kilogram

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

Date Sample Received : 03 Sep, 2024

Testing Period : 03 Sep, 2024 To 19 Dec, 2024

24 Phthalates Content (ASTM F963-23)

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

Test item	Result (%)				Detection Limit (%)	Limit (%) (Max.)
	(1)	(3)	(4)	(5)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.01	0.1

Test item	Result (%)				Detection Limit (%)	Limit (%) (Max.)
	(6)	(7)	(8)	(9)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.01	0.1



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

Test item	Result (%)				Detection Limit (%)	Limit (%) (Max.)
	(14)	(15)	(16)	(17)		
Dibutyl phthalate (DBP)	0.02	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.01	0.1

Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(18+19+20)	(21+22+23)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1



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Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(24+25+26)	(27+28+29)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1

Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(30+31+32)	(33+34+35)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1

Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(36+37)	(38+39+40)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1



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Test item	Result (%)		Detection Limit (%)	Limit (%) (Max.)
	(41+42+43)	(44+45+46)		
Dibutyl phthalate (DBP)	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.01	0.1

Remark: ND = Not Detected(Less than detection limit)

@= 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.

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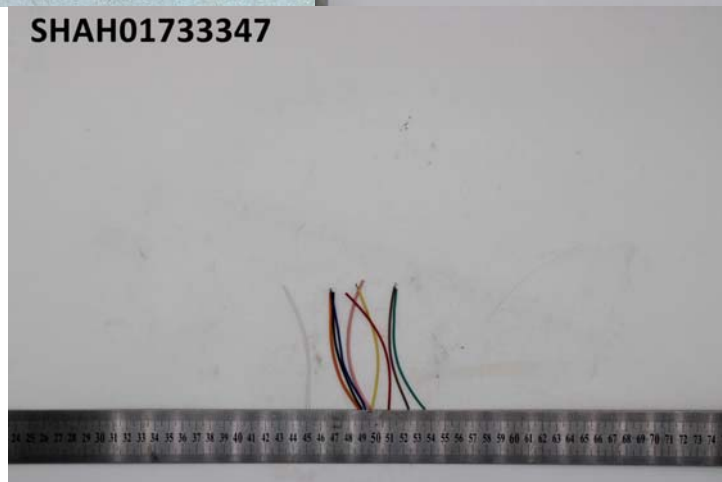


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Tests Conducted

Photo





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Tests Conducted

The Photo Was Submitted By The Client, Not Tested, Only For Reference.



Components List:

- (1) Black Plastic(Safety Belt Adjuster).
- (2) Black Webbing(Safety Belt).
- (3) Black Plastic(steering wheel)
- (4) Black Plastic With White Coating(Button).
- (5) transparent red Plastic With White Coating(Button).
- (6) Matte Black plastic(music player).
- (7) brown plastic(axle, door lock).
- (8) black plastic(wheel, wheel hub).
- (9) black plastic (pedal)
- (10) transparent plastic(rear light).
- (11) Black Coating On Metal(Frame).
- (12) Yellow adhesive paper with black printing underlying plastic film(warning sticker).
- (13) Black Plastic(Charger Battery).
- (14) Black Soft Plastic With White Printing(Charger Wire Covering).
- (15) White Plastic(Remote Control).
- (16) Black Plastic(Button On Remote Control).
- (17) White Plastic(Coupling Of Wheel).
- (18) Red Plastic.



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- (19) Light Yellow Plastic.
- (20) Bright Black Plastic.
- (21) Yellow Plastic.
- (22) Light Grey Plastic.
- (23) Rose Plastic.
- (24) Blue Plastic.
- (25) Black Plastic.
- (26) Dark Green Plastic.
- (27) Bright Grey Plastic.
- (28) Dark Blue Plastic.
- (29) Orange Plastic.
- (30) Pink Plastic.
- (31) Light Green Plastic.
- (32) Fluorescent Green Plastic.
- (33) White Plastic.
- (34) Light Pink Plastic.
- (35) Grass Green Plastic.
- (36) Grey Plastic.
- (37) Violet Plastic.
- (38) White Soft Plastic(Wire).
- (39) Orange Soft Plastic(Wire).
- (40) Black Soft Plastic(Wire).
- (41) Yellow Soft Plastic(Wire).
- (42) Coffee Soft Plastic(Wire)
- (43) Red Soft Plastic(Wire)
- (44) Blue Soft Plastic(Wire)
- (45) Green Soft Plastic(Wire)
- (46) Pink Soft Plastic(Wire)
- (47) Silver Metal (Screw).
- (48) bright silver metal(screw)

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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