Test Report Number: SHAH01659163S1

Applicant: NINGBO ELITE CYCLE CO.LTD.
NO.36 PUYAN ROAD, XIAPU INDUSTRIAL PARK,
BEILUN DISTRICT,NINGBO,CHINA
Attn: SHEN XIAO LEI

Date: 30 May, 2024

THIS IS TO SUPERSEDE REPORT NO. SHAH01659163 DATED 26 Mar, 2024

Sample Description:

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

Item Name	:	**Balance bike.**
Item No.	:	**JY-X13.**
Quantity	:	1 set.
Packaging Provided By Applicant	:	Yes(Artwork)
Labelled Age Group	:	12-36M.
Country Of Origin	:	China.

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Tests Conducted:

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

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Conclusion:

Tested Samples	Standard	Result
Submitted Sample	U.S. ASTM F963-17 Physical And Mechanical Tests	Pass
	U.S. ASTM F963-17 Flammability Test of Materials Other Than Textile Materials	Pass
	U.S. ASTM F963-23 Physical and Mechanical Tests.	Pass
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-17 on soluble heavy elements test	Pass
	U.S. ASTM F963-23 for soluble elements content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass

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To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch

Bobo Yao
Assistant General Manager

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Test Report Number： SHAH01659163S1

Conclusion：

Tested samples	Standard	Result
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
	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
Submitted Sample	BS EN71-1 : 2014 + A1 : 2018 - Mechanical and physical properties	Pass
	BS EN71-2: 2020 Flammability Test	Pass
Tested component of submitted sample	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
	AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) content	Pass
	Lead content requirement in Commission Regulation (EU) 2015/628 of 22 April 2015 Amending Annex XVII item 63 of the REACH Regulation (EC) No. 1907/2006	Pass
	Phthalates content requirement in Annex XVII Item 51&52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC)	Pass
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Mechanical and Physical test	Pass
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Cellulose Nitrate and Celluloid	Pass

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To be continued

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Test Report Number: SHAH01659163S1

Conclusion:

Tested Samples	Standard	Result
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34 for Flammability Test	Not Applicable
Tested components of submitted samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass
	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
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and amendment SOR/2022-122 on toxic elements test	Pass
	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
	U.S. ASTM F963-17 for total Lead content in non-surface coating materials	Pass
	U.S. ASTM F963-23 for total Lead content in surface coating	Pass
	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass
	ASTM F963-23 section 4.3.8 on Phthalates content	Pass
	Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006	Pass

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To be continued

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Test Report Number： SHAH01659163S1

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 ages from 12 to 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：-

Test	FHSA	Parameter
Impact Test	Section 1500.51(b)	10 x 4.5 ft
Torque Test	Section 1500.52(e)	3 in-lbf
Tension Test	Section 1500.52(f)	15 lbf
Compression Test	Section 1500.52g)	25lbf

Section	Testing Items	Assessment
4.1	Material Quality	P
4.5	Sound-Producing Toys	NA
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	P
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	NA
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	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA

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Test Report Number： SHAH01659163S1

Tests Conducted

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

Artwork of packaging was provided for testing.

Date Sample Received： 04 Feb, 2024 & 25 Mar,2024
Testing Period：04 Feb, 2024 To 25 Mar, 2024

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To be continued

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Tests Conducted

2 Flammability Test

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

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 06 Feb, 2024

****

To be continued

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Tests Conducted

3 Physical and Mechanical Tests

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

Applicant's specified age group for testing: For ages 12 to 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:

Test	FHSA	Parameter
Impact test	Section 1500.51(b)	10 x 4.5 ft
Torque test	Section 1500.52(e)	3 in-lbf
Tension test	Section 1500.52(f)	15 lbf
Compression test	Section 1500.52(g)	25 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	NA
4.6.1	Toys intended for children under 36 months (Small objects)	P
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	NA
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 (such as helmets, hats and goggles)	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	NA

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Tests Conducted

Section	Requirement	Result
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	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

Artwork of packaging was provided for testing.

Date Sample Received： 04 Feb, 2024 & 25 Mar,2024
Testing Period：04 Feb, 2024 To 25 Mar, 2024

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To be continued

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Tests Conducted

4 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： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 06 Feb, 2024

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To be continued

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Tests Conducted

5 Soluble Heavy Metal Elements Analysis

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

Test Item	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)to(15)		
Sol. Barium (Ba)	295.4#	231#	<5	5	1000
Sol. Lead (Pb)	<5	<5	<5	5	90
Sol. Cadmium (Cd)	<5	<5	<5	5	75
Sol. Antimony (Sb)	<5	<5	<5	5	60
Sol. Selenium (Se)	<5	<5	<5	5	500
Sol. Chromium (Cr)	<5	<5	<5	5	60
Sol. Mercury (Hg)	<5	<5	<5	5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	2.5	25

Remark：Sol. = Soluble
= The results were adjusted by subtracting analytical correction factor.

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

6 Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)to(15)		
Sol. Barium (Ba)	295.4#	231#	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： mg/kg = milligram per kilogram =ppm
Sol. = Soluble
ND= Not detected (Less than reporting limit)
# = The analytical results were adjusted by subtracting analytical correction factor.

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

7 Total Lead (Pb) Content in Surface Coating

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

Tested Component	Result (ppm)	Limit (ppm)
(1+2)	35	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： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

8 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.

Tested Component	Result (ppm)	Limit (ppm)
(3+4+5)	<10	100
(6+7+8)	<10	100
(9+10)	<10	100
(11+12)	<10	100
(13+14)	<10	100
(15)to(19)	<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： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Tests Conducted

9 Phthalate Content

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

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

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

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

Remark：ND = Not Detected
Detection Limit = 0.01%

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Test Report Number： SHAH01659163S1

Tests Conducted

10 Mechanical and Physical Test

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

Applicant's specified age group for testing: For ages from 12 to 36 months

The submitted samples were undergone the following abuse tests:

Clause	Testing items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.4.2.3	Protective components (60 N)
8.5	Drop test (850 mm x 5 times)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Clause	Testing items	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA

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Tests Conducted

Clause	Testing items	Assessment
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards and certain other ride-on toys	P
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA

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Tests Conducted

Clause	Testing items	Assessment
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass NA = Not Applicable

Artwork of packaging was provided for testing.

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the BS EN71 but are not standard requirements and not accredited:

Marking

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packaging shall also bear the CE-marking.

After checking, it was found that

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

Below is additional information checking according to the UK Toy (Safety) Regulations requirement. The checking is not within accreditation scope.

Marking

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself.

After checking, it was found that

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present

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Tests Conducted

UK Importer's name	Absent	Absent
UK Importer's address	Absent	Absent
Product identification code	Present	Present

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy published on 1 September 2020.

After checking **UKCA marking**, it was found that

	Toy	Packaging
UKCA marking	Present	Present

Date Sample Received： 04 Feb, 2024 & 25 Mar,2024

Testing Period：04 Feb, 2024 To 25 Mar, 2024

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To be continued

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Tests Conducted

11 Flammability Test

As per British Standard on Safety of Toys BS EN71-2: 2020

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark： P = Pass NA = Not Applicable

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 06 Feb, 2024

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Tests Conducted

12 19 Toxic Element Migration Test

(A) Test Result

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

Category (III)：Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)#	(2)#	(3)to(12)	(13)#		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	422	330	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) ++	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	24	44	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ++	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	100	46000

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Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(14)#	(15)		
Aluminium (Al)	ND	ND	300	28130
Antimony (Sb)	ND	ND	10	560
Arsenic (As)	ND	ND	10	47
Barium (Ba)	ND	ND	10	18750
Boron (B)	ND	ND	50	15000
Cadmium (Cd)	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	10	460
Chromium (VI) (Cr VI) ++	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	10	130
Copper (Cu)	ND	ND	10	7700
Lead (Pb)	ND	ND	10	23
Manganese (Mn)	ND	ND	10	15000
Mercury (Hg)	ND	ND	10	94
Nickel (Ni)	ND	ND	10	930
Selenium (Se)	ND	ND	10	460
Strontium (Sr)	ND	ND	100	56000
Tin (Sn)	ND	ND	2.5	180000
Organic tin ++	ND	ND	5	12
Zinc (Zn)	ND	ND	100	46000

Remark : mg/kg = milligram per kilogram
++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.
- Organic tin test result was expressed as tributyl tin.
ND = Not detected (less than reporting limit)

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

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

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Tests Conducted

(B) Categories of various toy materials

Category I：Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II：Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III：Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

13 Polycyclic Aromatic Hydrocarbons (PAHs) Content

As Per AfPS GS 2019:01 PAK, by solvent extraction and determined by Gas Chromatography – Mass Spectrometer (GC/MS).

(I) Test Results:

Test Item	CAS No.	Result (in mg/kg)			
		(1+2)	(3+4)	(5+6)	(7+8)
1.Phenanthrene	85-01-8	ND	ND	ND	ND
2.Anthracene	120-12-7	ND	ND	ND	ND
3.Fluoranthene	206-44-0	ND	ND	ND	ND
4.Pyrene	129-00-0	ND	ND	ND	ND
Sum (4 PAHs):	--	ND	ND	ND	ND
5.Naphthalene	91-20-3	ND	ND	ND	ND
6.Benzo(a)Anthracene	56-55-3	ND	ND	ND	ND
7.Chrysene	218-01-9	ND	ND	ND	ND
8.Indeno(1,2,3-cd)Pyrene	193-39-5	ND	ND	ND	ND
9.Benzo(b)Fluoranthene	205-99-2	ND	ND	ND	ND
10.Benzo(k)Fluoranthene	207-08-9	ND	ND	ND	ND
11.Benzo(a)Pyrene	50-32-8	ND	ND	ND	ND
12.Dibenzo(a,h)Anthracene	53-70-3	ND	ND	ND	ND
13.Benzo(g,h,i)Perylene	191-24-2	ND	ND	ND	ND
14.Benzo(e)Pyrene	192-97-2	ND	ND	ND	ND
15. Benzo(j)Fluoranthene	205-82-3	ND	ND	ND	ND
Sum (15 PAHs):	--	ND	ND	ND	ND
Classification of Samples: Category		3a	3a	3a	3a

Test Item	CAS No.	Result (in mg/kg)			
		(9)	(10)	(11)	(12)
1.Phenanthrene	85-01-8	ND	ND	ND	ND
2.Anthracene	120-12-7	ND	ND	ND	ND
3.Fluoranthene	206-44-0	ND	ND	ND	ND
4.Pyrene	129-00-0	ND	ND	ND	ND
Sum (4 PAHs):	--	ND	ND	ND	ND
5.Naphthalene	91-20-3	ND	ND	ND	ND
6.Benzo(a)Anthracene	56-55-3	ND	ND	ND	ND
7.Chrysene	218-01-9	ND	ND	ND	ND
8.Indeno(1,2,3-cd)Pyrene	193-39-5	ND	ND	ND	ND

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Test Report Number: SHAH01659163S1

Tests Conducted

9.Benzo(b)Fluoranthene	205-99-2	ND	ND	ND	ND
10.Benzo(k)Fluoranthene	207-08-9	ND	ND	ND	ND
11.Benzo(a)Pyrene	50-32-8	ND	ND	ND	ND
12.Dibenzo(a,h)Anthracene	53-70-3	ND	ND	ND	ND
13.Benzo(g,h,i)Perylene	191-24-2	ND	ND	ND	ND
14.Benzo(e)Pyrene	192-97-2	ND	ND	ND	ND
15. Benzo(j)Fluoranthene	205-82-3	ND	ND	ND	ND
Sum (15 PAHs):	--	ND	ND	ND	ND
Classification of Samples: Category		1	3a	1	1

Test Item	CAS No.	Result (in mg/kg)		
		(13)	(14)	(15)
1.Phenanthrene	85-01-8	ND	ND	ND
2.Anthracene	120-12-7	ND	ND	ND
3.Fluoranthene	206-44-0	ND	ND	ND
4.Pyrene	129-00-0	ND	ND	ND
Sum (4 PAHs):	--	ND	ND	ND
5.Naphthalene	91-20-3	0.7	ND	ND
6.Benzo(a)Anthracene	56-55-3	ND	ND	ND
7.Chrysene	218-01-9	ND	ND	ND
8.Indeno(1,2,3-cd)Pyrene	193-39-5	ND	ND	ND
9.Benzo(b)Fluoranthene	205-99-2	ND	ND	ND
10.Benzo(k)Fluoranthene	207-08-9	ND	ND	ND
11.Benzo(a)Pyrene	50-32-8	ND	ND	ND
12.Dibenzo(a,h)Anthracene	53-70-3	ND	ND	ND
13.Benzo(g,h,i)Perylene	191-24-2	ND	ND	ND
14.Benzo(e)Pyrene	192-97-2	ND	ND	ND
15. Benzo(j)Fluoranthene	205-82-3	ND	ND	ND
Sum (15 PAHs):	--	0.7	ND	ND
Classification of Samples: Category		1	1	3a

ND= Not detected (Less than reporting limit)
Reporting limit = 0.2 mg/kg

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To be continued

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Tests Conducted

(II) Limits for PAHs in Products:

Parameter	Category 1	Category 2		Category 3	
--	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or -for the use by children up to 3 years of age	Materials that are not covered by Category 1, with long-term skin contact (longer than 30s) or repeated short-term skin contact if used as intended or foreseeable 2a. used by children 2b. other consumer products		Materials that are not covered by Category 1 or 2, with short-term skin contact (up to 30 s) when used as intended or foreseeable 3a. used by children 3b. other consumer products	
		2a	2b	3a	3b
Phenanthrene	--	--	--	--	--
Anthracene	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Pyrene	--	--	--	--	--
Sum (4 PAHs):	<1	<5	<10	<20	<50
Naphthalene	<1	<2	<2	<10	<10
Benzo(a)Anthracene	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	<0.2	<0.2	<0.5	<0.5	<1
Indeno(1,2,3-cd)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(b)Fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(k)Fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(a)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo(a,h)Anthracene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(g,h,i)Perylene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(e)Pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo(j)Fluoranthene	<0.2	<0.2	< 0.5	<0.5	<1
Sum (15 PAHs):	<1	<5	<10	<20	<50

Assessment: Since no accessible plastic, rubber, synthetic fabric and lacquer / coating were found on the submitted sample or the sample weight were less than 50mg of the above-mentioned material, the testing scope of AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic hydrocarbons (PAHs) content was not applicable to the submitted sample(s).

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 20 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

14 Lead (Pb) Content

With reference to method IEC 62321-5:2013, microwave digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (%)	Limit (%)
(1+2)	0.0035	0.05
(3+4+5)	ND	0.05
(6+7+8)	ND	0.05
(9+10)	ND	0.05
(11+12)	ND	0.05
(13+14)	ND	0.05
(15)to(19)	ND	0.05

Remark：ND = Not Detected (Less than detection limit)
Detection Limit = 0.001%

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

15 Phthalate Content

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

I. Annex XVII Item 51

Test Item	CAS No.	Result (%,w/w)				Reporting Limit (%,w/w)	Limit (%,w/w)
		(1+2)	(3+4 +5)	(6+7 +8)	(9+1 0)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.005	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.005	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.005	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.005	-
Sum of DBP, DEHP, BBP and DIBP	-	ND	ND	ND	ND	-	0.1

Test Item	CAS No.	Result (%,w/w)			Reporting Limit (%,w/w)	Limit (%,w/w)
		(11+12)	(13+14)	(15)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	0.005	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	0.005	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	0.005	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.005	-
Sum of DBP, DEHP, BBP and DIBP	-	ND	ND	ND	-	0.1

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

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To be continued

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Tests Conducted

II. Annex XVII Item 52

Test Item	CAS No.	Result (%,w/w)				Reporting Limit (%,w/w)	Limit (%,w/w)
		(1+2)	(3+4 +5)	(6+7 +8)	(9+1 0)		
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	0.005	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	ND	0.005	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	ND	0.005	-
Sum of DINP, DNOP and DIDP	-	ND	ND	ND	ND	-	0.1

Test Item	CAS No.	Result (%,w/w)			Reporting Limit (%,w/w)	Limit (%,w/w)
		(11+12)	(13+14)	(15)		
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	0.005	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	0.005	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	0.005	-
Sum of DINP, DNOP and DIDP	-	ND	ND	ND	-	0.1

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

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

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Tests Conducted

16 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 ages 12 to 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 (1.367±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	NA
4	Packaging	
	(a) The opening perimeter is less than 14 inches	NA
	(b) The opening perimeter is more than 14 inches	NA
	Electrical hazard	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	Mechanical hazard	
7	Small parts	P
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	P#
	Auditory hazards	
19	Noise limit	NA
	Thermal hazards	
20	Heated surfaces, parts or substances	NA
	Dolls, plush toys and soft toys	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	
	(a) Clean and free from vermin	NA
	(b) Free from hard and sharp foreign matter	NA
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA
	Plant seeds	

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No.	Testing Items	Assessment
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

= The sample was tested for stability and overloading according to ISO 8124-1 section 5.12.1 to 5.12.5.

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 06 Feb, 2024

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To be continued

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Tests Conducted

17 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

	Assessment	Requirement
Cellulose Nitrate/Celluloid	Absent	Absent

Date Sample Received： 04 Feb, 2024

Testing Period：04 Feb, 2024 To 06 Feb, 2024

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To be continued

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Tests Conducted

18 Flammability Test

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

The flammability test was not applicable to the submitted sample.

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 06 Feb, 2024

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Tests Conducted

19 Total Lead (Pb) Content

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

Tested Component	Result (mg/kg)	Limit (mg/kg)
(1+2)	35	90
(3+4+5)	ND	90
(6+7+8)	ND	90
(9+10)	ND	90
(11+12)	ND	90
(13+14)	ND	90
(15)to(19)	ND	90

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

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

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

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

Tested Compound	Result (mg/kg)						Limit(mg/kg) (Max.)
	(1+2)	(3+4+5)	(6+7+8)	(9+10)	(11+12)	(13+14)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	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

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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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.

	Result (mg/kg)	Limit (mg/kg)
	(3)to(15)	
Tot. Lead (Pb)	<10	90
Sol. Barium (Ba)	<5	1000
Sol. Mercury (Hg)	<5	60
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Chromium (Cr)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Arsenic (As)	<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： 04 Feb, 2024
Testing Period： 04 Feb, 2024 To 19 Feb, 2024

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Tests Conducted

22 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)	29	41	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)	295.4#	231#	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)
# = The results were adjusted by subtracting analytical correction factor.

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

23 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 (1+2)	Reproting Limit (ppm)	Limit (ppm)
Lead(Pb)	35	20	90

Remark： ppm = parts per million = mg/kg

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

Date Sample Received： 04 Feb, 2024 & 15 Mar, 2024

Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

24 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)	(11+12)	(13+14)	(15)to(19)		
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.

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Tests Conducted

25 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 (1+2)	Reproting Limit (ppm)	Limit (ppm)
Lead(Pb)	35	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： 04 Feb, 2024 & 15 Mar, 2024
Testing Period：04 Feb, 2024 & 15 Mar, 2024 To 19 Feb, 2024 & 19 Mar, 2024

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To be continued

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Tests Conducted

26 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)	(11+12)	(13+14)	(15)to(19)		
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.

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Tests Conducted

27 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+2)	(3+4+5)	(6+7+8)	(9+10)		
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.)
	(11+12)	(13+14)	(15)		
Dibutyl phthalate (DBP)	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	0.01	0.1

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

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 19 Feb, 2024

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To be continued

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Tests Conducted

28 Cadmium (Cd) Content

With reference to methods EN 1122:2001 (Method B), acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Components	Result in %
(20+21)	ND
(22+23+24)	ND
(25+26+27)	ND
(28+29)	ND
(30+31)	ND
(32+33)	ND
(34)	ND

Requirement：	
Category	Limit (%)
Painted article	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark：% = Percentage based on dry weight of sample
ND = Not Detected (<0.0005%)

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

Date Sample Received： 04 Feb, 2024
Testing Period：04 Feb, 2024 To 28 May, 2024

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To be continued

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Tests Conducted

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Test Report Number： SHAH01659163S1

Tests Conducted

Components:

(1) White coating on metal(frame).
(2) Green coating on metal(frame).
(3) White plastic(wheel).
(4) Pink plastic(wheel).
(5) Brown plastic(wheel).
(6) Grey plastic(frame).
(7) Deep pink plastic(basket).
(8) Pale grey plastic(basket).
(9) Cool grey plastic(seat).
(10) Red plastic(seat button).
(11) Pink soft plastic(handle).
(12) Brown soft plastic(handle).
(13) Pink leatherette(seat).
(14) Brown leatherette(seat).
(15) Grey foam(wheel).
(16) Silver metal(seat screw).
(17) Silver metal(frame rod fastener).
(18) Silver metal(frame rivet).
(19) Silver metal(frame).
(20) White coating on metal(frame) (second received）.
(21) Green coating on metal(frame) (second received）.
(22) White plastic(wheel) (second received）.
(23) Pink plastic(wheel) (second received）.
(24) Brown plastic(wheel) (second received）.
(25) Grey plastic(frame) (second received）.
(26) Deep pink plastic(basket) (second received）.
(27) Pale grey plastic(basket) (second received）.
(28) Cool grey plastic(seat) (second received）.
(29) Red plastic(seat button) (second received）.
(30) Pink soft plastic(handle) (second received）.
(31) Brown soft plastic(handle) (second received）.
(32) Pink leatherette(seat) (second received）.
(33) Brown leatherette(seat) (second received）.
(34) Grey foam(wheel) (second received).

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End of report

Intertek Testing Services Ltd .Zhejiang, Ningbo Branch
浙江天祥质量技术服务有限公司宁波分公司

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To: NINGBO ELITE CYCLE CO.LTD.

Attention: SHEN XIAO LEI Date: 30 May, 2024

Re: Report Revision Notification

Intertek Testing Services Ltd.,Zhejiang Ningbo Branch Report Number SHAH01659163 Dated 26 Mar, 2024.

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Ltd.,Zhejiang Ningbo Branch Report Number SHAH01659163S1.

Reason for report revision： Add test item.

Thank you for your attention.

Authorized By：
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch

Bobo Yao
Assistant General Manager

Intertek Testing Services Ltd .Zhejiang, Ningbo Branch
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