Test Report

Number: SHAH01622942S1

Applicant: DEYI CHILDREN PRODUCTS CO., LTD
BOTOU INDUSTRIAL ESTATE, CHASHAN TOWN,
DONGGUAN CITY, GUANGDONG, CHINA, 523396
Attn: ZHU DAORONG

Date: Nov 23, 2023

THIS IS TO SUPERSEDE REPORT NO. SHAH01622942 DATED 16 Nov, 2023

Sample Description:
One (1) group of submitted sample said to be :
Item Name : Seesaw
Item No. : 344-024
Quantity : 1

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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	Requirement	Result
Submitted Sample	U.S. ASTM F963-23 - Flammability Test of Materials Other Than Textile Materials	Pass
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Mechanical and Physical test	Pass
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Cellulose Nitrate and Celluloid	Pass
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
Submitted Sample	U.S. CFR Title 16 (CPSC Regulations) - Mechanical and Physical Tests	Pass
Submitted Sample	U.S. CFR Title 16 (CPSC Regulations) - Part 1500.3(c)(6)(vi) Flammability Test On Rigid and Pliable Solids	Pass
Submitted sample	ASTM F1148-22 Standard Consumer Safety Performance Specification for Home Playground Equipment	Pass

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To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang

Bobo Yao
Assistant General Manager

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Submitted Sample	U.S. ASTM F963-23 For Physical and Mechanical Tests	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-17 for total Lead content in surface coating	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-23 for total Lead content in surface coating	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-17 for total Lead content in non-surface coating materials	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-17 on soluble heavy elements test	Pass
Tested Components of Submitted Sample	U.S. ASTM F963-23 for soluble elements content	Pass
tested component(s) of submitted sample(s)	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass

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To be continued

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tested component(s) of submitted sample(s)	U.S. CFR title 16(CPSC regulations) - Part 1303 total Lead content	Pass
Tested Components of Submitted Samples	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 samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Composite tested components and Tested components of submitted sample	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass
Tested component of submitted sample	Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193 for total Mercury content on surface coating materials	Pass
Tested component of submitted sample	Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122 for total lead content test on products with applied stickers, films or surface coating materials	Pass

****

To be continued

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Test Report Number： SHAH01622942S1

Tests Conducted

1.Flammability Test

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

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

2.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 3 years and up

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
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	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	P#1
	Auditory hazards	
19	Noise limit	NA
	Thermal hazards	

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Tests Conducted

No.	Testing Items	Assessment
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	
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

#1 = The samples were tested for stability and overloading according to ISO 8124-1 section 5.12.1 to 5.12.5.

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

3.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.

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

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Test Report Number： SHAH01622942S1

Tests Conducted

4.Physical and Mechanical Test

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

Applicant's Specified Age Group for Testing： For ages 3 year and up

	No. of SampleTested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As Received	#1	P	P	NA
Impact (1500.53 (b))	#1	P	P	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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

5.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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 25, 2023

6.STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR HOME PLAYGROUND EQUIPMENT

With reference to ASTM F1148-22 Standard Consumer Safety Performance Specification for Home Playground Equipment, the submitted sample was subjected to the following tests:

Number of Sample Tested: One (1) Set
Initial inspection: No any damage was found

Applicant's Specification:
-Age grade for testing: For ages 3 years and up
-Maximum load capacity of single user: 45kg
-Maximum total load capacity: 180kg

Executive Summary:

Clause	Test items	Verdict
1	Scope.	-
2	Referenced Documents.	-
3	Terminology	-
4	Materials and Manufacture	-
4.1	General	#1
4.1.3	Lead in Paint	P
5	General Requirements	-
5.1	Applicable to All Home Playground Equipment	NA
5.2	Small part	NA

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Tests Conducted

Clause	Test items	Verdict
6	Performance Requirements	-
6.1	Head and Neck Entrapment	P
6.2	Acute Angles	P
6.3	Protrusions	P
6.4	Edges, Points, and Surfaces	P
6.5	Open Tubing	P
6.6	Crush and Shear Points	P
6.7	Holes and Slots	P
6.8	Hardware	P
6.9	Hooks	NA
6.10	Hand Support: Hand Gripping/Grasping Components	P
7	Requirements for Access	-
7.1	Rung Ladders, Stepladders and Stairways	NA
7.2	Handrails	NA
7.3	Guardrails and Protective Barriers	NA
8	Equipment	-
8.1	Swings	NA
8.1.1	To-fro	NA
8.1.2	Hangers	NA
8.1.3	Minimum Ground Clearance	NA
8.1.4	Suspended Swinging Elements	NA
8.1.5	Lawn Swings	NA
8.1.6	Pendulum See-Saws	NA
8.1.7	Toddler Swings	NA
8.1.8	Swing Set Stability	NA
8.1.9	Spacing Between Adjacent Swing Elements	NA
8.1.10	Spacing Between Swing Elements and Stationary Frame Members	NA
8.1.11	Suspended Swinging Element Impact Attenuation Testing	NA
8.2	Slides	-
8.2.1	Slide Requirements	NA
8.2.2	Stability of Free-Standing Slides	NA
8.2.3	Roller Slides	NA
8.3	Merry-Go-Rounds	NA
8.4	Ropes	NA
9	Equipment Layout	-
9.1	Play Structure Use Zone	#2
10	Installation	-
10.1	Installation Instructions and Information	P
11	Structural Integrity	-
11.1.1	Handholds, Footholds, and Horizontal Supporting Members	P
11.1.2	Top Support Bar	NA
11.1.3	Individual Suspended Units	NA
11.1.4	Slides	NA
11.1.5	Rockers	NA
11.1.6	Merry-Go-Rounds	NA
11.1.7	Climbing Towers/Jungle Gyms	NA
11.1.8	Platforms	NA
11.1.9	Climbing Components	NA
12	Maintenance Instructions	P
13	Labeling and signage	P
14	Information	-
14.1	Information on Manufacturer or Distributor	P

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Tests Conducted

Clause	Test items	Verdict
14.2	Information on Playground Surfacing Materials	P
14.3	Operating Instructions	P
14.4	Lawn swings warning	P
15	Keywords	-

Abbreviation: **P**=**P**ass; **NA**=**N**ot **A**pplicable; **NC** = **N**ot **C**onducted;

Remark:
#1.The assessment of materials durability constructed was not verified in an outdoor setting. However, it's manufacturer responsibility to ensure the compliance during designing, treatment process and manufacturing.

#2.The compliance with ASTM F1292 was not verified because the Play Structure Use Zone could not be evaluated in laboratory environment. It would be evaluated at where the equipment is actually assembled on. However, a specific surfacing guideline which based on “SECTION 4 OF the United States Consumer Product Safety Commission’s (USCPSC) Outdoor Home Playground Safety Handbook” was included in the instruction manual to specifying the selection and assembly guide for protective surfacing.

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 06, 2023

7.Physical And Mechanical Tests

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

Appropriate / Applicant's Specified Age Group For Testing: For ages 3 years and up

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

Test	FHSA	Parameter
Tip Over Test	Section 1500.53(b)	3 Times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
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)	NA
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games for 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	P
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	P
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA

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Section	Testing Items	Assessment
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	NA
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
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yoyo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labelling Requirement	P
6	Instructional Literature	P
7.1	Producer's Markings - Name Of Producer/Distributor (Toy/Package) - Address (Toy/Package)	 Yes Yes
7.3	Toy Chests	NA

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Tests Conducted

Section	Testing Items	Assessment
	Name of Manufacturer/Distributor/Seller (Toy) Address (City, State and Zip Code) of Manufacturer/Distributor/Seller (Toy) Date Code (Toy and Package/Shipping Container)	

Remark: P = Pass NA = Not applicable

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Oct 27, 2023

8.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	Reproting Limit (ppm)	Limit (ppm)
	(1+2)		
Lead(Pb)	ND	20	90

Remark： ppm = parts per million = mg/kg
ND= Not detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

9.Total Lead (Pb) Content for Surface Coating

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

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

Remark： ppm = parts per million = mg/kg
ND= Not detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 15, 2023

10.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)		
Lead(Pb)	ND	ND	ND	10	100

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Tests Conducted

Remark： ppm = parts per million = mg/kg
ND= Not detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 15, 2023

11.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)		
Lead(Pb)	ND	ND	ND	10	100

Remark： ppm = parts per million = mg/kg
ND= Not detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

12.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)	(4)	(5)	(8)		
Sol. Barium (Ba)	246#	20#	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

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Tests Conducted

13.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)	(4)	(5)	(8)		
Sol. Barium (Ba)	246#	20#	ND	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	2.5	25

Remark： Sol. = Soluble
ND= Not detected
# = 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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 15, 2023

14.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 Components	Result (ppm)	Limit (ppm)
(1+2)	ND	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
Detection Limit = 20 mg/kg
ND=Not Detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

15.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 Components	Result (ppm)	Limit (ppm)

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Tests Conducted

Tested Components	Result (ppm)	Limit (ppm)
(3+4+5)	ND	100
(6)	ND	100
(7)	ND	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
Detection Limit = 20 mg/kg
ND=Not Detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

16.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.

Tested components	Result (%)	Limit (%)
(1+2)	ND	0.009

The limit was quoted according to CPSC Regulation CFR title 16 Part 1303 for Lead (Pb) content.

Remark：ND = Not Detected
Detection Limit = 0.002%

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

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

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

Test Item	Result(mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)		
Tot. Lead (Pb)	ND	ND	20	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)	246#	20#	5	1000

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Test Report Number： SHAH01622942S1

Tests Conducted
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
# = 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: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

18.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 Components	Result (mg/kg)	Limit (mg/kg)
(1)	ND	90
(2)	ND	90
(3)	ND	90
(4)	ND	90
(5)	ND	90
(6)	ND	90
(7)	ND	90

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

Remark：Reporting Limit = 20 mg/kg
ND=Not Detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

19.Phthalate Content Test

With reference to method CPSC-CH-C1001-09.3 and followed by solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis

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

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.

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Test Report Number： SHAH01622942S1

Tests Conducted
Detection Limit = 100mg/kg
ND = Not Detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 14, 2023

20.Total Mercury (Hg) Content in Surface Coating

With reference to Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193, acid digestion method was used and total Mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Components	Result in mg/kg	Limit(mg/kg)
(1)	ND	10
(2)	ND	10

Remark：Detection Limit = 0.047 mg/kg
ND = Not detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

21.Total Lead (Pb) Content on Products with Applied Stickers, Films or Surface Coating Materials

As per Canada Consumer Product Safety Act Surface Coating Regulations SOR/2016-193 Section 6 and amendment SOR/2022-122, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Components	Result (mg/kg)	Limit (mg/kg)
(1)	ND	90
(2)	ND	90

Remark：
Detection Limit = 20 mg/kg
ND=Not Detected

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

Date Sample Received: Oct 19, 2023
Testing Period: Oct 19, 2023 to Nov 10, 2023

Tested components:

(1) Blue coating on metal (tube)
(2) Red coating on metal (tube)
(3) Orange plastic (saddle)
(4) White plastic (nut)
(5) Black plastic (stopper of red tube)
(6) Silvery metal excluding coating (tube)
(7) Silvery metal (nut)

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Tests Conducted

(8) Yellow plastic (seat)

Picture 1: Submitted sample

Picture 2: Submitted sample

Remark: Photo 2 yellow plastic (seat) was only tested for ASTM F963-17 soluble elementscontent on general materials and ASTM F963-23 soluble elements content.

****

End of report

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To: DEYI CHILDREN PRODUCTS CO., LTD

Attention: ZHU DAORONG Date: Nov 23, 2023

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH01622942 Dated Nov 16, 2023 .

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 Report Number **shah01622942S1.**

Reason for report revision： Add test items requested by customer.

Thank you for your attention.

Authorized By：
Intertek Testing Services Ltd. Zhejiang

Bobo Yao
Assistant General Manager

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