

Test Report

Number: SHAH01741367S1

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

Date: Nov 13, 2024

*THIS IS TO SUPERSEDE REPORT
NO. SHAH01741367 DATED 12 Nov,
2024*

Sample Description:

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

Item Name : Swing Set
Item No. : 344-067V00MX , 344-067V00GY
Quantity : 1
Labelled Age Group : 3+

Tests Conducted:

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

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



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Conclusion:

<u>Tested samples</u>	<u>Requirement</u>	<u>Result</u>
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 See remark
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
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 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	Not applicable
Tested Components of Submitted Samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Tested Components of Submitted Samples	Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188 requirement on phthalates content	Pass
Tested Components of Submitted Samples	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 Samples	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
Tested Components of Submitted Samples	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 Samples	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

Remark: It is believed that this test did not cover all safe requirements of submitted sample, it should be further tested.

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



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Tests Conducted

1. 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.

<u>Test</u>	<u>Parameter</u>
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
	<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	P#1
	<u>Auditory hazards</u>	
19	Noise limit	NA
	<u>Thermal hazards</u>	
20	Heated surfaces, parts or substances	NA
	<u>Dolls, plush toys and soft toys</u>	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	
	(a) Clean and free from vermin	NA
	(b) Free from hard and sharp foreign matter	NA
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA



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No.	Testing Items	Assessment
	<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

#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: Sep 25, 2024

Testing Period: Sep 25, 2024 to Oct 23, 2024

2.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

Assessment
Absent

Requirement
Absent

Date Sample Received: Sep 26, 2024

Testing Period: Sep 26, 2024 to Oct 23, 2024



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3.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.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(12)		
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)	325#	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)
= 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: Sep 25, 2024
Testing Period: Sep 25, 2024 to Oct 14, 2024

4.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>
Tot. Lead (Pb)		90
Sol. Barium (Ba)		1000
Sol. Mercury (Hg)		60
Sol. Cadmium (Cd)	Not applicable	75
Sol. Antimony (Sb)		60
Sol. Chromium (Cr)		60
Sol. Selenium (Se)		500
Sol. Arsenic (As)		25
Remark: Tot. = Total		
Sol. = Soluble		

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

Date Sample Received: Sep 25, 2024
Testing Period: Sep 25, 2024 to Oct 14, 2024



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Tests Conducted

5.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+6+7)		
Lead	ND	ND	ND	20	90

Test Item	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	(8+9)	(10+11)	(12)	(13)		
Lead	ND	ND	ND	ND	20	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.

Date Sample Received: Sep 25, 2024

Testing Period: Sep 25, 2024 to Nov 04, 2024

6.Phtalate Content (SOR/2016-188)

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

Test Item	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg) (Max.)
	(1)	(2+3+4)	(5+6+7)		
Di-butyl phthalate (DBP)	ND	ND	ND	100	1000
Di(2-ethyl hexyl) phthalate (DEHP)	ND	ND	ND	100	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	100	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	100	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	100	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	100	1000

Test Item	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg) (Max.)
	(8)	(12)	(9)		
Di-butyl phthalate (DBP)	ND	ND	ND	100	1000
Di(2-ethyl hexyl) phthalate (DEHP)	ND	ND	ND	100	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	100	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	100	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	100	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	100	1000

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.

Remark: ND = Not Detected

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

Date Sample Received: Sep 25, 2024

Testing Period: Sep 25, 2024 to Oct 31, 2024



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7.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	Limit
	(1)	(12)	(mg/kg)	(mg/kg)
Lead	ND	ND	20	90

Remark: ND=Not Detected

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

Date Sample Received: Sep 25, 2024

Testing Period: Sep 25, 2024 to Oct 14, 2024

8.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)
(14)	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: Sep 25, 2024

Testing Period: Sep 25, 2024 to Nov 08, 2024

9.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)
(15)	ND	100
(16+17)	ND	100
(18+19)	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: Sep 25, 2024

Testing Period: Sep 25, 2024 to Nov 08, 2024



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10. 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 (%) (Max.)</u>
	(14)	(15)	(16+17)	
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: Sep 25, 2024

Testing Period: Sep 25, 2024 to Nov 08, 2024

Components List:

Tested components:

- (1) Dark blue coating on metal
- (2) Black Velcro's hook
- (3) Black plastic plug (small)
- (4) Dark blue plastic (ring plug)
- (5) White plastic (on nut)
- (6) Dark green plastic (children's slide/seat)
- (7) Brown plastic plug
- (8) Brown soft plastic (on chain)
- (9) Black soft plastic (foot pad)
- (10) Black Velcro's loop
- (11) Black Textilene
- (12) White paper sticker with pattern
- (13) Silvery metal without coating (tube)
- (14) White coating on metal
- (15) Gray plastic (children's slide/seat)
- (16) White soft plastic (on chain)
- (17) Beige soft plastic (on chain)
- (18) Silvery metal chain
- (19) Silvery metal lobster clip



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Tests Conducted



Picture 1: Submitted sample



Picture 2: Submitted sample



Picture 3: Submitted sample



Picture 4: Submitted sample

End of report

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To: DEYI CHILDREN PRODUCTS CO., LTD
Attention: DAORONG ZHU

Date: Nov 13, 2024

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH01741367 Dated Nov 12, 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 Report Number **SHAH01741367S1**.

Reason for report revision: Add pictures requested by customer.

Thank you for your attention.

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager

