

Test Report

Number: SHAH01721088

Applicant: FUJIAN JINZHI INTELLIGENT TECHNOLOGY
CO.,LTD.
NO.15,GAOXIN ROAD,JINGCHENG TOWN,
NANJING COUNTY,ZHANGZHOU CITY,FUJIAN
PROVINCE 363600
Attn: ZHANG YU QING

Date: 08 Aug, 2024

Sample Description:

One (1) set of submitted sample said to be :
Item Name : **WOODEN PLAYHOUSE.**
Item No. : **345-027V00BG/345-027V00BU.**
Quantity : 1 Set
Packaging Provided By Applicant : Yes (Artwork) .
Labelled Age Group : Not Specified.
Goods Exported to : USA.
Country Of Origin : China.

Tests Conducted:

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

To be continued

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



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
	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
	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	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 entry 23 of the REACH Regulation (EC) No. 1907/2006	Pass
	Phthalates content requirement in Annex XVII Entry 51&52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) content in Annex XVII Entry 50 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 1272/2013	Pass
	AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) content	Pass
	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass
	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	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
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and amendment SOR/2022-122 on toxic elements test	Pass

To be continued

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Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



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Tests Conducted

1 Physical and Mechanical Test on 345-027 V00 BG

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 2 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>
Drop test#1	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
	<u>Electrical hazard</u>	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	<u>Mechanical hazard</u>	
7	Small parts	P
8	Metal edges	P
9	Wire frames	NA
10	Plastic edges	NA
11	Wooden surfaces, edges and corners	P
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	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
	<u>Plant seeds</u>	



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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	P#2
44	Warning of magnetic toys	NA

Remark: P = Pass

NA = Not Applicable

#1 = Due to the large size and heavy weight of the sample, the tip over test was conducted according to ISO 8124-1 section 5.24.3 instead of drop test.

#2 = The abuse test for magnetic toys or magnetic component refers to the test set out in ASTM F963 section 8.7, 8.8, 8.9, 8.25.4.6 and 8.25.4.7.

Date Sample Received: 30 Jul, 2024

Testing Period: 30 Jul, 2024 To 01 Aug, 2024

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Tests Conducted

2 Cellulose Nitrate and Celluloid on 345-027 V00 BG

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

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

Date Sample Received: 30 Jul, 2024

Testing Period: 30 Jul, 2024 To 01 Aug, 2024

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Tests Conducted

3 Flammability Test on 345-027 V00 BG

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.

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Tests Conducted

4 Cadmium (Cd) Content (EU REACH ANNEX XVII Entry 23)

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.

<u>Tested Component</u>	<u>Result in %</u>
(8+9+10)	ND

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

Remark: ND = Not detected (<0.0005%)

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

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5 Phthalate Content (REACH Regulation (EC) No 1907/2006 Annex XVII Entry 51 and Entry 52)

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

I. Annex XVII Entry 51

Test Item	CAS No.	Result (%w/w)	Reporting Limit (%w/w)	Limit (%w/w)
		(8+9+10)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1

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

II. Annex XVII Entry 52

Test Item	CAS No.	Result (%w/w)	Reporting Limit (%w/w)	Limit (%w/w)
		(8+9+10)		
Di-n-octyl phthalate (DnOP)	117-84-0	ND	0.005	--
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.005	--
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.005	--
Sum of DINP, DNOP and DIDP	--	ND	--	0.1

The above limit was quoted according to Annex XVII Entry 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: 30 Jul, 2024

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Tests Conducted

6 Polycyclic Aromatic Hydrocarbons (PAHs) Content (REACH Regulation (EC) No 1907/2006 Annex XVII Entry 50)

With reference to AfPS GS 2019: 01 PAK, by solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Toy for children

<u>Test Item</u>	<u>Result (mg/kg)</u>	<u>Detection Limit (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(8)to(10)		
Benzo(a)pyrene	ND	0.2	0.5
Benzo(e)pyrene	ND	0.2	0.5
Benzo(a)anthracene	ND	0.2	0.5
Chrysene	ND	0.2	0.5
Benzo(b)fluoranthene	ND	0.2	0.5
Benzo(j)fluoranthene	ND	0.2	0.5
Benzo(k)fluoranthene	ND	0.2	0.5
Dibenzo(a,h)anthracene	ND	0.2	0.5

The above limit was quoted according to Annex XVII Entry 50 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 1272/2013 for Polycyclic Aromatic Hydrocarbons (PAHs).

Remark : ND = Not detected

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

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Tests Conducted

7 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)			
		(8)	(9)	(10)	
1. Phenanthrene	85-01-8	ND	0.4	0.5	
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	0.4	0.5	
5. Naphthalene	91-20-3	ND	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):	--	ND	0.4	0.5	
Classification of Samples: Category		1	1	1	

ND= Not detected (Less than reporting limit)

Reporting limit = 0.2 mg/kg

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(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

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8 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>
	(1+2+3)	(4+5)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	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.

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Tests Conducted

9 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	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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10 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)
	(1+2+3)	(4+5)		
Lead	ND	ND	10	90

Remark: mg/kg = milligram per kilogram
ND=Not detected (Less than detection limit)

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

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11 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)	(2)	(3)	(4)		
Tot. Lead (Pb)	ND	ND	ND	ND	10	90
Tot. Mercury (Hg)	ND	ND	ND	ND	0.047	10
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	1000
Sol. Antimony (Sb)	ND	ND	ND	ND	5	1000
Sol. Selenium (Se)	ND	ND	ND	ND	5	1000
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	1000
Sol. Barium (Ba)	ND	ND	ND	526.4#	5	1000

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	(5)		
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)	132.3#	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.

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photo provided by client

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Components:

- (1) Red coating on wood.
- (2) Green coating on wood.
- (3) Yellow coating on wood.
- (4) White coating on wood.
- (5) Black coating on metal(hinge).
- (6) Golden metal(screw).
- (7) Silver metal excluding coatings(hinge).
- (8) Grey coating on wood.
- (9) Blue coating on wood.
- (10) White coating on wood.

End of report

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