

Test Report

Number: SHAH01681576

Applicant:

HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY
BEILUN, NINGBO, ZHEJIANG, CHINA.

Date: 16 May, 2024

Attn: QINKE / CHENKAI

Sample Description:

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

Item Name : Sofia
Item No. : 848140

Tests Conducted:

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

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
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	Applicant's requirements - Pre-packaged Product - Country of Origin - The Language of Inscription (Mandatory in Quebec) - Labeling of Composite Wood Product - Formaldehyde Emission - Claim Verification	Pass Pass Pass Pass Pass
Tested component(s) of submitted sample(s)	Canadian Environmental Protection Act Products Containing Mercury Regulations SOR/2014-254 on total Mercury (Hg) content in product except battery	Pass
Tested components of submitted samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



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<u>Tested samples</u>	<u>Requirement</u>	<u>Result</u>
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
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 See Comment 1
Composite tested component and Tested component of submitted sample	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass See Comment 2
Tested Component of Submitted Sample	Formaldehyde emission content	See Test Conducted
Tested component of submitted sample	Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b) for accessible plastic material in toys for children under 3 years of age	Pass See Comment 3

Comment 1:

The testing scope of the following standard(s) was/were not applicable to the submitted sample(s) / tested component(s). However, the test result(s) of the sample(s) /tested component(s) met the related requirements as stated in this report.

Comment 2:

The testing scope of the standard (CCPSA) was not applicable to the submitted samples. However, the test results of submitted sample(s) / tested component(s) (3) did not exceed the limits of the standard.

Comment 3:

The testing scope of the following standard (Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b)) was not applicable to the submitted sample. However, the test results of the sample met the related requirements as stated in this report.

To be continued

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Intertek Testing Services Ltd. Zhejiang



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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 from 3 to 6 years

The submitted samples were undergone the use and abuse tests in accordance with Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

Test	Parameter
Drop test	4 x (0.909±0.005) m
Pull test	42.5±2 N
Push test	42.5±2 N

No.	Testing Items	Assessment
3	General - English and French bilingual statement	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	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	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



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No.	Testing Items	Assessment
31	Eyes and noses	NA
	<u>Plant seeds</u>	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA
37	Shaft-like handle	NA
38	Toy steam engines boilers	NA
39	Finger paints	NA
40	Rattle	NA
41	Elastics	NA
42	Yo-yo type balls	
	(a) Stretchable cords	NA
	(b) Similar product	NA
43	Magnetic force	NA
44	Warning of magnetic toys	NA

Remark: P = Pass

NA = Not Applicable

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

Comment:

The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date Sample Received: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 15, 2024

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

Comment:

The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date Sample Received: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 15, 2024



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2. As requested by the applicant, the submitted sample was subjected to the following test:

Initial inspection: No any damage was found.

Sample quantity: One (1) Piece

Executive summary:

Test Item	Test Method	Test Requirement	Test Result	Rating												
Pre-packaged Product	Consumer Packaging and Labelling Act and Regulations	<p>Packaging shall be labelled with the following:</p> <p>Product Identification shall be English and French, on PDP with 1.6mm minimum type size.</p> <p>Product Net Quantity:</p> <p>Declaration must be in English and French, metric units, on PDP, type size based on PDP size</p> <table border="1"> <thead> <tr> <th>Principal Display Panel</th> <th>Minimum Type</th> </tr> </thead> <tbody> <tr> <td>< 32 cm² (5 ln²)</td> <td>1.6 mm (1/16 ln)</td> </tr> <tr> <td>> 32 cm² but < 258 cm² (40 ln²)</td> <td>3.2 mm (1/8 ln)</td> </tr> <tr> <td>> 258 cm² but < 645 cm² (100 ln²)</td> <td>6.4 mm (1/4 ln)</td> </tr> <tr> <td>> 645 cm² but < 25.8 dm² (400 ln²)</td> <td>9.5 mm (3/8 ln)</td> </tr> <tr> <td>> 25.8 dm² (400 ln²)</td> <td>12.7 mm (1/2 ln)</td> </tr> </tbody> </table> <p>Manufacturer or distributor's name & address (City & Postal Code). Minimum 1.6 mm type size.</p> <p>Placed anywhere except bottom - English or French.</p> <p>Where a prepackaged product is wholly manufactured or produced in a country other than Canada, the marking shall consist of one of the following:</p> <ul style="list-style-type: none"> -The name and address of a Canadian dealer preceded by the words "imported by" ("importé par") or "imported for" ("importé pour"); or -The statement of geographic origin located immediately adjacent to the name and address of a Canadian dealer; or -The name and address of the dealer outside Canada 	Principal Display Panel	Minimum Type	< 32 cm ² (5 ln ²)	1.6 mm (1/16 ln)	> 32 cm ² but < 258 cm ² (40 ln ²)	3.2 mm (1/8 ln)	> 258 cm ² but < 645 cm ² (100 ln ²)	6.4 mm (1/4 ln)	> 645 cm ² but < 25.8 dm ² (400 ln ²)	9.5 mm (3/8 ln)	> 25.8 dm ² (400 ln ²)	12.7 mm (1/2 ln)	Meet	P
Principal Display Panel	Minimum Type															
< 32 cm ² (5 ln ²)	1.6 mm (1/16 ln)															
> 32 cm ² but < 258 cm ² (40 ln ²)	3.2 mm (1/8 ln)															
> 258 cm ² but < 645 cm ² (100 ln ²)	6.4 mm (1/4 ln)															
> 645 cm ² but < 25.8 dm ² (400 ln ²)	9.5 mm (3/8 ln)															
> 25.8 dm ² (400 ln ²)	12.7 mm (1/2 ln)															
Country of Origin	Canada Customs Tariff, Marking of Imported Goods Regulations	The country of origin marking of Non-NAFTA imported goods shall be present in English or French.	Meet	P												



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Test Item	Test Method	Test Requirement	Test Result	Rating
The Language of Inscription (Mandatory in Quebec)	The Charter of French Language, Title I, Chapter VII, Clause 51 & Regulations adopted under the Charter of French Language	The following inscription shall be drafted in French: - product; - product container or wrapping; - document or object supplied with it (e.g. directions for use, warranty certificates). No inscription in another language may be given greater prominence than that in French. For exceptions, check the following webpage: http://www2.publicationsduquebec.gouv.qc.ca/dynamicSearch/telecharge.php?type=3&file=/C_11/C11R9_A.HTM NOTE: Vendor shall be responsible for the accuracy of information provided.	Meet	P
Labeling of Composite Wood Product - Formaldehyde Emission	Canadian Environmental Protection Act, 1999 (CEPA 1999), Formaldehyde Emissions from Composite Wood Products Regulations (SOR/2021-148)	Composite wood panel or laminated product, or from composite wood panel and laminated product incorporated into the component part or finished good shall be labeled in accordance with the regulations and meet all applicable requirements. EFFECTIVE DATE: January 7, 2023 NOTE: 1) Composite wood product does not require a label if the area of its largest surface is less than or equal to 929 cm ² . 2) Valid product certificate issued by qualified third-party certifier (TPC) shall be provided for review. 3) For laminated product, the effective date is January 7, 2028.	Meet	P
Claim Verification	Competition Act (R.S.C., 1985, c. C-34); Consumer Packaging and Labeling Act (R.S.C., 1985, c. C-38); Consumer Packaging and Labeling Regulations (C.R.C., c.417)	Product shall meet all label claims, both factual and objective. Testing shall be performed to substantiate label claims. In lieu of testing, documentation may be submitted. See Document Acceptance List for document parameters.	Meet	P

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3. Total Mercury Content Test

As per IEC 62321-4:2013+AMD1:2017, acid digestion was used and analysed by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested components</u>	<u>Result (%w/w)</u>	<u>Limit(%w/w) (max.)</u>
(1)	ND	0.1
(2)	ND	0.1
(3)	ND	0.1
(4)	ND	0.1
(7)	ND	0.1

Remark: ND = Not detected (<0.001%)

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

Date Sample Received: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 14, 2024

4. 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.

<u>Tested Components</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
(1)	ND	90
(2)	ND	90
(3)	ND	90
(4)	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 (Less than reporting limit)

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

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5. 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 Component	Result (mg/kg)	Limit (mg/kg)
(1)	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: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 14, 2024

6. 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	Limit (mg/kg)
	(1)	(mg/kg)	
Tot. Lead (Pb)	ND	20	90
Tot. Mercury (Hg)	ND	0.047	10
Sol. Cadmium (Cd)	ND	5	1000
Sol. Antimony (Sb)	ND	5	1000
Sol. Selenium (Se)	ND	5	1000
Sol. Arsenic (As)	ND	2.5	1000
Sol. Barium (Ba)	ND	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and Amendment SOR/2022-122 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total

Sol. = Soluble

ND = Not detected (less than reporting limit)

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

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7. 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> (3)	<u>Limit(mg/kg)</u> (Max.)
Di-butyl phthalate (DBP)	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	1000
Benzyl butyl phthalate (BBP)	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	1000
Di-n-octyl phthalate (DNOP)	ND	1000
Di-iso-decyl phthalate (DIDP)	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: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 11, 2024

8. Formaldehyde Content

As per ASTM D6007-2014 small scale chamber method, Formaldehyde content was detected by UV-VIS spectrophotometer.

Chamber type: 0.225m³ stainless steel chamber

Climatic conditions: (24±1)°C, (50±4)% R.H.

Air exchange rate: 0.5 h⁻¹

Composite wood product type: HWPW-VC

Loading factor: 0.43 m²/m³

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Client's Requirement (ppm)</u> (Max.)
(5)	ND	-

Remark: Detection limit = 0.02ppm

ppm = parts of formaldehyde per million parts air

ND = Not Detected

The sample was conditioned at (24±3)°C & (50±5)% relative humidity for seven days before the testing.

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

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Testing Period: Apr 22, 2024 to May 11, 2024



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9. 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.

	(2)	Result (mg/kg) (3)	(4)	Limit (mg/kg)
Tot. Lead (Pb)	<20	<20	<20	90
Sol. Barium (Ba)	102#	<5	114#	1000
Sol. Mercury (Hg)	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	25

Remark: Tot. = Total

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: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 14, 2024

Components List:

- (1) Transparent Vanish coating on wood
- (2) Wooden sticker (surface)
- (3) Beige plastic (body)
- (4) Transparent soft plastic (chair leg pad)
- (5) Wooden surface plywood (chair) (18mm)
- (6) Silvery metal screw (bottom of seat)
- (7) Plywood



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Tests Conducted



Picture 1: Submitted Sample

End Of Report

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