

Test Report

Number: SHAH01681561

Applicant:

Date: 16 May, 2024

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

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>Standard</u>	<u>Result</u>
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass
Submitted sample	ASTM F2613-22 Standard Consumer Safety Specification for Children's Chairs and Stools	Pass See remark
Tested component(s) of submitted sample(s)	California Proposition 65 for Furniture , Consent Judgement No. SF-507915 -Total Lead (Pb) 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 surface coating	Pass
Tested component(s) of submitted sample(s)	U.S. CFR title 16(CPSC regulations) - Part 1303 total Lead 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
Tested components of submitted samples	2,4,6-TTBP content requirement in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass
Tested components of submitted samples	DecaBDE, PIP(3:1), PCTP and HCBd content requirements in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass
Tested Components of Submitted Sample	US California Proposition 65 -- Phthalate content	Pass
Tested Components of Submitted Sample	US California Proposition 65 - Phthalate content	Pass
Tested Components of Submitted Sample	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
Tested Component of Submitted Sample	Formaldehyde emission content	See test conducted

To be continued

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Bobo Yao
Assistant General Manager



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Tests Conducted

1. Tracking Label Assessment

As per Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels For Children Products.

Tracking Label Found on the Packaging:

beleduc

Hape International (Ningbo) Ltd.

9-27 Nanhai Road Beilun Ningbo, Zhejiang

315800, China

04/2024 NBCN

Tracking Label Found on the Product:

beleduc

Hape International (Ningbo) Ltd.

9-27 Nanhai Road, Beilun, Ningbo, Zhejiang

315800. China

04/2024 NBCN

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

Date Sample Received: Apr 22, 2024

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



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Tests Conducted

2.CHILDREN'S CHAIRS AND STOOLS

With reference to ASTM F2613-22 Standard Consumer Safety Specification for Children's Chairs and Stools, the submitted samples was subjected to the following tests:

Number of Sample Tested: One (1) Piece

Initial inspection: No any damage was found

Executive Summary:

Clause	Test items	Verdict
5	General requirements	-
5.1	Wood parts	P
5.2	Sharp points and edges	P
5.3	Small parts	P
5.4	Surface coating	P
5.5	Flammable solids	P
5.6	Toy accessories	NA
5.7	Scissoring, shearing, and pinching	P
5.8	Product that folds	NA
5.8.1	Latching and Locking Mechanisms	NA
5.8.2	Product without Latching and Locking Mechanisms	NA
5.9	Circular holes in rigid materials	P
5.10	Labeling	NA
5.11	Protective components	P
5.12	Strength Requirements	P
5.13	Stability	P
5.14	Head Entrapment	NA
6	Test Methods	-
7	Marking and Labeling	P(See remark#1)

Abbreviation: **P**=Pass **NA**=Not Applicable

Remark: Only artwork of marking was provided for review.

Date Sample Received: Apr 22, 2024

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



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Tests Conducted

3.Total Lead (Pb) Content

With reference to US EPA method 3050B/3051, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1)	ND	100
(2)	ND	100
(3)	ND	100
(4)	ND	100
(6)	ND	100

The above limit was quoted from the Consent Judgement SF-507915, settled by superior court of the state of California , for Furniture based on the California proposition 65.

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: Apr 22, 2024

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

4.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.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	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: Apr 22, 2024

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



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Tests Conducted

5.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.

<u>Tested Component</u>	<u>Result (%)</u>	<u>Limit (%)</u>
(1)	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: Apr 22, 2024

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

6.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.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(3)	ND	100
(4)	ND	100
(6)	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.

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7.2,4,6-TTBP Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS).

<u>Test Item</u>	<u>CAS No</u>	<u>Result (%)</u>				<u>Limit (%)</u>
		(2)	(3)	(4)	(1)	
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	ND	ND	ND	ND	0.3

The limit was quoted according to US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals for 2,4,6-TTBP content requirement.

Remark: ND = Not detected (less than reporting limit)

Reporting Limit = 0.005%

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

Date Sample Received: Apr 22, 2024

Testing Period: Apr 22, 2024 to May 13, 2024

8.DecaBDE, PIP(3:1), PCTP and HCBd Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS).

<u>Test Item</u>	<u>CAS No</u>	<u>Result (%)</u>				<u>Limit (%)</u>
		(2)	(3)	(4)	(1)	
Decabromodiphenyl ether (DecaBDE)	1163-19-5	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) [PIP (3:1)]	68937-41-7	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	ND	ND	ND	ND	1
Hexachlorobutadiene (HCBd)	87-68-3	ND	ND	ND	ND	ND

The limit were quoted according to US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals for DecaBDE, PIP(3:1), PCTP and HCBd content requirements.

Remark: ND = Not detected (less than reporting limit)

Reporting Limit = 0.005%

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

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9. Phthalate Content

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

Tested Compound	Result (% w/w)				Limit (% w/w)
	(1)	(2)	(3)	(4)	
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	--

Remark: The above limit was quoted from the Consent Judgment No. RG-593581 settled by superior court of the State of California for the county Alameda, for Children furniture based on the California Proposition 65.

Detection Limit = 0.01%(w/w)

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 13, 2024

10. Phthalate Content Test

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

Tested Compound	Result (% w/w)				Limit (% w/w) (Max.)
	(1)	(2)	(3)	(4)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	0.1
Di(2-ethyl hexyl) 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	--

Remark: The above limit was quoted from the Consent Judgment No. SF-507915 settled by superior court of the State of California for the county of San Francisco, for Storage furniture based on the California Proposition 65

Detection Limit = 0.01%(w/w)

ND = Not Detected

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

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Tests Conducted

11. 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>
	(1)	(2)	(3)	(4)	
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

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.

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Testing Period: Apr 22, 2024 to May 13, 2024

12. 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> <u>(Max.)</u>
(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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Components List:

Tested components:

- (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)



Submitted sample

End of report

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