



## Test Report

Number: SHAH01536972

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
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 Component of Submitted Sample	US California Proposition 65 -- Phthalate content	Pass
Tested Component of Submitted Sample	US California Proposition 65 - Phthalate content	Pass
Tested Component 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 See comment
Tested Component of Submitted Sample	Formaldehyde emission content	See Test Conducted

### Comment:

The testing scope of the standard was not applicable to the submitted samples. However, the test results of submitted sample(s) / tested component(s) (1).(2).(3).(4).(5) did not exceed the limits of the standard.

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To be continued

Authorized By:  
Intertek Testing Services Ltd. Zhejiang



Bobo Yao  
Assistant General Manager



**Test Report**

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Tests Conducted

**1. As requested by the applicant, the submitted samples were tested as following.**

Initial inspection: No any damage was found.

Number of Sample Tested: One (1) Piece

**Executive summary:**

Evaluation	Citation	Requirement / Limit	Result	Rating
Tracking Label	Consumer Product Safety Improvement Act of 2008	Toys and children's articles shall have a permanent and distinguishing mark on itself and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.	Meet (Evaluated on artwork of package and label)	Pass

Date Sample Received: Jul 21, 2023

Testing Period: Jul 21, 2023 to Sep 07, 2023

**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	P
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	NR (see remark#1)
5.14	Head Entrapment	NA
6	Test Methods	-
7	Marking and Labeling	P(see remark#2)

Abbreviation: P=Pass NA=Not Applicable NR = Not Requested

**Remark:**

#1: As requested by the applicant, the stability was not conducted in this test report

#2: The evaluation related to marking is based on the artwork submitted by the applicant rather than the actual sample of marking.

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### 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 Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1)	ND	100
(2)	ND	100
(3)	ND	100
(4)	ND	100
(5)	ND	100
(7)	ND	100
(8)	ND	100

The above limit was quoted from the Consent Judgement SF-507915, settled by superior court of the state of California, for Storage 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.

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### 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
(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.

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### 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.



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Tests Conducted			
<u>Tested component</u>		<u>Result (%)</u>	<u>Limit (%)</u>
(1)		ND	0.009
(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.

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### **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 Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(4)	ND	100
(5)	ND	100
(7)	ND	100
(8)	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>
		(1)	(2)	(3)	(4)	(5)	
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	ND	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.



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### Tests Conducted

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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### 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>
		(1)	(2)	(3)	(4)	(5)	
Decabromodiphenyl ether (DecaBDE)	1163-19-5	ND	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) [PIP (3:1)]	68937-41-7	ND	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	ND	ND	ND	ND	ND	1
Hexachlorobutadiene (HCBd)	87-68-3	ND	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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Testing Period: Jul 21, 2023 to Sep 06, 2023

### 9. Phthalate Content

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

<u>Tested Compound</u>	<u>Result (% w/w)</u>					<u>Limit (% w/w)</u>
	(1)	(2)	(3)	(4)	(5)	
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	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 of San Alameda, for Children furniture based on the California Proposition 65.

Detection Limit = 0.01%(w/w)



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Tests Conducted  
ND = Not Detected

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

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### 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)
	(1)	(2)	(3)	(4)	(5)	(Max.)
Di-butyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di(2-ethyl hexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	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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### 11. Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)					Limit (%) (Max.)
	(1)	(2)	(3)	(4)	(5)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	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%





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

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## 12. Formaldehyde Content

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

Chamber type: 0.225m<sup>3</sup> stainless steel chamber

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

Air exchange rate: 0.5 h<sup>-1</sup>

Composite wood product type: HWPW-VC

Loading factor: 0.43 m<sup>2</sup>/m<sup>3</sup>

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Client's Requirement (ppm)</u> <u>(Max.)</u>
(6)	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:**

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





## Test Report

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### Tests Conducted



Picture 1: Submitted Sample



Picture 2: Reference Sample (846162)



Picture 3: Reference Sample (846159)

#### Note:

The additional pictures "2-3" of reference sample were added to this report at the request of the client and has not been tested by Intertek. The client stated in the letter of guarantee that reference pictures "2-3" of reference sample are exactly the same as the material of the sample submitted in this report.

Intertek takes no responsibility for any mistakes and problems caused by inaccurate and/or invalid information submitted by the client. In case of any disputes arising from the above issues, the client shall take the corresponding risks and responsibilities.

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End Of Report

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