

**Test Report**

Number: SHAH01536958

Applicant:

HAPE INTERNATIONAL (NINGBO) LTD  
HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD  
9-27 NANHAI ROAD, DAGANG INDUSTRIAL  
CITY ,BEILUN,NINGBO,CHINA PC:315800  
Attn: QIN KE/CHEN KAI

Date: 09 Apr, 2024

**Sample Description:**

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

Item Name : Santino 1 ( test sample )  
Santino 2  
Emmanuele 1 ( test sample )  
Emmanuele 2 ( test sample )  
Emmanuele 3  
Emmanuele 4  
Emmanuele 5 ( test sample )  
Round Basin  
Leg W38  
Leg W45  
Leg W50  
Leg W55  
Leg O38  
Leg O45  
Leg O50  
Leg O55  
Item No. : 846068 ( test sample )  
846082  
846093 ( test sample )  
846107 ( test sample )  
846118  
846131  
846142 ( test sample )  
848693  
848139  
846153  
846154  
846155  
848138  
846156  
846157  
846158  
Labelled Age Group : 3-6years

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To be continued

Authorized By:  
Intertek Testing Services Ltd. Zhejiang



Bobo Yao  
Assistant General Manager



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Tests Conducted:

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

| <u>Tested Samples</u>                      | <u>Standard</u>  | <u>Result</u> |
|--|--|---------------|
| Submitted Samples                          | U.S. CFR Title 16 (CPSC Regulations) Mechanical and Physical Tests   | Pass          |
| Submitted samples                          | Sharp point & sharp edges(1500.48&1500.49)   | Pass          |
| Submitted samples                          | U.S. CFR title 16 (CPSC regulations) part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids                                   | 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. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate) | 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) | California Proposition 65 for Furniture ,<br>Consent Judgement No. SF-507915<br>-Total Lead (Pb) content                                   | 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          |

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To be continued

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| <u>Tested Samples</u>                                   | <u>Standard</u>   | <u>Result</u>       |
|---|---|---------------------|
| 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<br>See Comment |
| Tested Components of Submitted Sample                   | US California Proposition 65 - Phthalate content  | Pass                |
| Submitted Sample / 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), (10), (11) did not exceed the limits of the standard.

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To be continued

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Bobo Yao  
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Tests Conducted

**1. Physical and Mechanical Test**

As per U.S. Code of Federal Regulations title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Applicant's Specified Age Group for Testing: For ages from 3 to 6 years

|                          | <u>No. of Sample Tested</u> | <u>Sharp Point (1500.48)</u> | <u>Sharp Edge (1500.49)</u> | <u>Small Part (1501)</u> |
|--------------------------|-----------------------------|------------------------------|-----------------------------|--------------------------|
| As Received              |                             |                              |                             |                          |
| Impact (1500.53(b))      | #1                          | P                            | P                           | NA                       |
| Torque (1500.53(e))      | #1                          | P                            | P                           | NA                       |
| Tension (1500.53(f))     | #1                          | P                            | P                           | NA                       |
| Compression (1500.53(g)) | #1                          | P                            | P                           | NA                       |

Remark: P = Pass  
NA = Not Applicable

Date Sample Received: Jul 21, 2023  
Testing Period: Jul 21, 2023 to Feb 28, 2024

**2. SHARP POINTS & SHARP EDGES**

As per client's application, the submitted sample was subjected to the following test:

Number of sample tested: Four (4) pieces

Initial inspection: No any damage was found

In accordance with 16 CFR1500.48 & 16CFR 1500.49, shall have no sharp point /sharp edge on the sample as received.

Test Result:  
No sharp points/sharp edges were found on the sample as received.

Date Sample Received: Jul 21, 2023  
Testing Period: Jul 21, 2023 to Feb 28, 2024

**3. FLAMMABILITY TEST**

As per U.S. code of federal regulations title 16 part 1500.44 for rigid and pliable solids.

Result = Ignited but self-extinguished before burn rate could be determined

Date Sample Received: Jul 21, 2023  
Testing Period: Jul 21, 2023 to Feb 28, 2024



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Tests Conducted

**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 Components</u> | <u>Result (ppm)</u> | <u>Limit (ppm)</u> |
|--------------------------|---------------------|--------------------|
| (1)                      | ND                  | 90                 |
| (2)                      | ND                  | 90                 |
| (3)                      | 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: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 25, 2023

**5. 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> |
|--------------------------|---------------------|--------------------|
| (5)                      | ND                  | 100                |
| (6)                      | ND                  | 100                |
| (7)                      | ND                  | 100                |
| (8)                      | ND                  | 100                |
| (10)                     | ND                  | 100                |
| (11)                     | 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: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 25, 2023



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Tests Conducted

**6. 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 components</u> | <u>Result (%)</u> | <u>Limit (%)</u> |
|--------------------------|-------------------|------------------|
| (1)                      | ND                | 0.009            |
| (2)                      | ND                | 0.009            |
| (3)                      | 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: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 25, 2023

**7. 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                      |
| (5)                      | ND                  | 100                      |
| (6)                      | ND                  | 100                      |
| (7)                      | ND                  | 100                      |
| (8)                      | ND                  | 100                      |
| (10)                     | ND                  | 100                      |
| (11)                     | 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.

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Testing Period: Jul 21, 2023 to Dec 25, 2023



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**8. 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) | (10) | (11) |     |                  |
| 2,4,6-tris(tert-butyl)phenol<br>(2,4,6-TTBP) | 732-26-3      | ND                | ND  | 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.

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: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 26, 2023

**9. 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) | (10) | (11) |                  |
| Decabromodiphenyl ether<br>(DecaBDE)                 | 1163-19-5     | ND                | ND  | ND  | ND  | ND  | ND   | ND   | ND               |
| Phenol, isopropylated phosphate (3:1)<br>[PIP (3:1)] | 68937-41-7    | ND                | ND  | ND  | ND  | ND  | ND   | ND   | ND               |
| Pentachlorothiophenol<br>(PCTP)                      | 133-49-3      | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 1                |
| Hexachlorobutadiene<br>(HCBD)                        | 87-68-3       | ND                | ND  | 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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**10. 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) | (10) | (11) |                      |
| Diethyl hexyl phthalate (DEHP) | ND                    | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                  |
| Diisononyl phthalate (DINP)    | ND                    | ND  | ND  | ND  | ND  | ND   | ND   | --                   |

Remark: The above limit was quoted from the Consent Judgment No. RG-595381 settled by superior court of the State of California for the county of 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: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 26, 2023

**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) | (5) | (10) | (11) |                         |
| Dibutyl phthalate (DBP)            | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Di-(2-ethylhexyl) phthalate (DEHP) | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Benzyl butyl phthalate (BBP)       | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Diisononyl phthalate (DINP)        | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Diisobutyl phthalate (DIBP)        | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Di-n-pentyl phthalate (DPENP)      | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Di-n-hexyl phthalate (DHEXP)       | ND                | ND  | ND  | ND  | ND  | ND   | ND   | 0.1                     |
| Dicyclohexyl phthalate (DCHP)      | ND                | ND  | 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%

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

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Testing Period: Jul 21, 2023 to Dec 26, 2023



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Tests Conducted

**12. 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) | (10) | (11) | (Max.)       |
| Di-butyl phthalate (DBP)           | ND            | ND  | ND  | ND  | ND  | ND   | ND   | 0.1          |
| Di(2-ethyl hexyl) phthalate (DEHP) | ND            | ND  | ND  | ND  | ND  | ND   | ND   | 0.1          |
| Benzyl butyl phthalate (BBP)       | ND            | ND  | ND  | ND  | ND  | ND   | ND   | 0.1          |
| Diisononyl phthalate (DINP)        | ND            | ND  | ND  | ND  | ND  | ND   | ND   | --           |

Remark: The above California limit was quoted from the Consent Judgment No. SF-507915 settled by superior court of the State of California for the county of Marin/Los Angeles 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.

Date Sample Received: Jul 21, 2023

Testing Period: Jul 21, 2023 to Dec 26, 2023

**13. 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>

| Tested Component | Result (ppm) | Client's Requirement (ppm) |
|------------------|--------------|----------------------------|
|                  |              | (Max.)                     |
| (9)              | 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.

Date Sample Received: Jul 21, 2023

Testing Period: Jul 21, 2023 to Aug 21, 2023



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**Tested components:**

- (1) White coating on wood (covered edge)
- (2) Wooden heat transfer printing on metal (table leg)
- (3) Beige coating on metal (discus)
- (4) White sticker (surface)
- (5) Black plastic (footpad)
- (6) Silvery metal excluding coating (table leg)
- (7) Silvery metal screw
- (8) Silvery metal excluding coating (small discus)
- (9) White surface plywood (table) (22mm)
- (10) Beige PU (covered edge of table)
- (11) Beige plastic (basin)



Picture 1: Submitted Sample



Picture 2: Submitted Sample



Picture 3: Submitted Sample



Picture 4: Submitted Sample

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Picture 5: Reference sample (846082)



Picture 6: Reference sample (846131)



Picture 7: Reference sample (846118)



Picture 8: Submitted Sample

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Tests Conducted



Picture 9: Submitted Sample

Note:

The additional pictures "5-7" of reference samples 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 "5-7" of reference samples 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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