

## Test Report

Number: SHAH01669237

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

Date: 17 Apr, 2024

Attn: ZHANG YUQING

### Sample Description:

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

Item Name : WOODEN PLAYHOUSE  
Item No. : 345-021  
Quantity : 1  
Labelled Age Group : 2+  
Packaging Provided By Applicant : Yes  
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



Bobo Yao  
Assistant General Manager



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Conclusion:

| <u>Tested Samples</u>                      | <u>Standard</u>                                                                                                                                                                                 | <u>Result</u> |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Submitted Sample                           | U.S. ASTM F963-23 Physical and Mechanical Tests.                                                                                                                                                | Pass          |
| Submitted Sample                           | U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials                                                                                                                   | 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 Components of Submitted Sample      | U.S. ASTM F963-23 for total Lead content in surface coating                                                                                                                                     | Pass          |
| Tested Components of Submitted Sample      | U.S. ASTM F963-23 for total Lead content in non-surface coating materials                                                                                                                       | Pass          |
| Tested Components of Submitted Sample      | U.S. ASTM F963-23 for soluble elements content                                                                                                                                                  | Pass          |
| Tested Components of Submitted Sample      | ASTM F963-23 section 4.3.8 on Phthalates 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          |

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To be continued

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Assistant General Manager



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Tests Conducted

**1. Physical and Mechanical Tests**

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages 2 years and up

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

| <u>Test</u>      | <u>FHSA</u>        | <u>Parameter</u> |
|------------------|--------------------|------------------|
| Torque test      | Section 1500.53(e) | 4 in-lbf         |
| Tension test     | Section 1500.53(f) | 15 lbf           |
| Compression test | Section 1500.53(g) | 30 lbf           |

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

| Section | Requirement                                                                                 | Result |
|---------|---------------------------------------------------------------------------------------------|--------|
| 4.1     | Material Quality (Visual check on cleanliness)                                              | P      |
| 4.5     | Sound-producing toys                                                                        | NA     |
| 4.6.1   | Toys intended for children under 36 months (Small objects)                                  | P      |
| 4.6.2   | Mouth-actuated toys                                                                         | NA     |
| 4.6.3   | Toys and games for children at least 36 months but less than 72 months (Small part warning) | NA     |
| 4.7     | Accessible edges                                                                            | P      |
| 4.8     | Projections                                                                                 | NA     |
| 4.9     | Accessible points                                                                           | P      |
| 4.10    | Wires or rods                                                                               | NA     |
| 4.11    | Nails and fasteners                                                                         | P      |
| 4.12    | Plastic film                                                                                | NA     |
| 4.13    | Folding mechanisms and hinges                                                               | P      |
| 4.14    | Cords, straps, and elastics                                                                 | NA     |
| 4.15    | Stability and over-load requirements                                                        | P      |
| 4.16    | Confined spaces                                                                             | NA     |
| 4.17    | Wheels, tires and axles                                                                     | NA     |
| 4.18    | Holes, clearance, and accessibility of mechanisms                                           | NA     |
| 4.19    | Simulated protective devices (such as helmets, hats and goggles)                            | NA     |
| 4.20    | Pacifiers                                                                                   | NA     |
| 4.21    | Projectile toys                                                                             | NA     |
| 4.22    | Teethers and teething toys                                                                  | NA     |
| 4.23    | Rattles                                                                                     | NA     |



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| Section | Requirement                                         | Result |
|---------|-----------------------------------------------------|--------|
| 4.24    | Squeeze toys                                        | NA     |
| 4.25    | Battery-operated toys                               | NA     |
| 4.26    | Toys intended to be attached to a crib or playpen   | NA     |
| 4.27    | Stuffed and beanbag-type toys                       | NA     |
| 4.28    | Stroller and carriage toys                          | NA     |
| 4.29    | Art materials                                       | NA     |
| 4.30    | Toy gun marking                                     | NA     |
| 4.31    | Balloons                                            | NA     |
| 4.32    | Certain toys with nearly spherical ends             | NA     |
| 4.33    | Marbles                                             | NA     |
| 4.34    | Balls                                               | NA     |
| 4.35    | Pompoms                                             | NA     |
| 4.36    | Hemispheric-shaped objects                          | NA     |
| 4.37    | Yoyo elastic tether toys                            | NA     |
| 4.38    | Magnets                                             | NA     |
| 4.39    | Jaw entrapment in handles and steering wheels       | NA     |
| 4.40    | Expanding materials                                 | NA     |
| 4.41    | Toy chests                                          | NA     |
| 5       | Labelling requirement                               | P      |
| 6       | Instructional literature                            | P      |
| 7       | Producer's markings                                 |        |
| 7.1     | Name of producer/distributor                        | Yes    |
|         | Address                                             | Yes    |
| 7.3     | Toy chests                                          |        |
| 7.3.1   | Name and address of manufacturer/distributor/seller | NA     |
| 7.3.2   | Code mark                                           | NA     |

Abbreviation: P = Pass NA= Not Applicable

Date sample received: Mar 20 , 2024  
Testing period: Mar 20 , 2024 to Apr 11, 2024

**2.Flammability Test**

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

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

Date sample received: Mar 20 , 2024  
Testing period: Mar 20 , 2024 to Apr 11, 2024



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Tests Conducted

**3.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: Mar 20 , 2024

Testing period: Mar 20 , 2024 to Mar 28 , 2024

**4.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> |
|--------------------------|---------------------|--------------------|
| (4)                      | ND                  | 100                |
| (5)                      | ND                  | 100                |
| (6)                      | ND                  | 100                |
| (7)                      | 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: Mar 20 , 2024

Testing period: Mar 20 , 2024 to Mar 28 , 2024



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Tests Conducted

**5.Total Lead (Pb) Content for Surface Coating**

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Test Item | Result in ppm |     |     | Reporting Limit (ppm) | Limit (ppm) |
|-----------|---------------|-----|-----|-----------------------|-------------|
|           | (1)           | (2) | (3) |                       |             |
| Lead(Pb)  | ND            | ND  | ND  | 20                    | 90          |

Remark: ppm = parts per million = mg/kg  
ND= Not detected (Less than reporting limit)

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

Date sample received: Mar 20 , 2024  
Testing period: Mar 20 , 2024 to Mar 28 , 2024

**6.Total Lead (Pb) Content for Non-surface Coating**

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Test Item | Result in ppm |     |     |     | Reporting Limit (ppm) | Limit (ppm) |
|-----------|---------------|-----|-----|-----|-----------------------|-------------|
|           | (4)           | (5) | (6) | (7) |                       |             |
| Lead(Pb)  | ND            | ND  | ND  | ND  | 20                    | 100         |

Remark: ppm = parts per million = mg/kg  
ND= Not detected (Less than reporting limit)

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

Date sample received: Mar 20 , 2024  
Testing period: Mar 20 , 2024 to Mar 28 , 2024



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**7.Soluble Elements Analysis (ASTM F963-23)**

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

| Test Item          | Result (mg/kg) |      |     | Reporting Limit (mg/kg) | Limit (mg/kg) |
|--------------------|----------------|------|-----|-------------------------|---------------|
|                    | (1)            | (2)  | (3) |                         |               |
| Sol. Barium (Ba)   | 51#            | 152# | 29# | 5                       | 1000          |
| Sol. Lead (Pb)     | ND             | ND   | ND  | 5                       | 90            |
| Sol. Cadmium (Cd)  | ND             | ND   | ND  | 5                       | 75            |
| Sol. Antimony (Sb) | ND             | ND   | ND  | 5                       | 60            |
| Sol. Selenium (Se) | ND             | ND   | ND  | 5                       | 500           |
| Sol. Chromium (Cr) | ND             | ND   | ND  | 5                       | 60            |
| Sol. Mercury (Hg)  | ND             | ND   | ND  | 5                       | 60            |
| Sol. Arsenic (As)  | ND             | ND   | ND  | 2.5                     | 25            |

Remark:

Sol. = Soluble

ND= Not detected (Less than reporting limit)

# = The analytical results were adjusted by subtracting analytical correction factor.

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

Date sample received: Mar 20 , 2024

Testing period: Mar 20 , 2024 to Mar 28 , 2024

**8.Pthalates Content (ASTM F963-23)**

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

| Test item                          | Result (%) |     |     | Detection Limit (%) | Limit (%) (Max.) |
|------------------------------------|------------|-----|-----|---------------------|------------------|
|                                    | (1)        | (2) | (3) |                     |                  |
| Dibutyl phthalate (DBP)            | ND         | ND  | ND  | 0.01                | 0.1              |
| Di-(2-ethylhexyl) phthalate (DEHP) | ND         | ND  | ND  | 0.01                | 0.1              |
| Benzyl butyl phthalate (BBP)       | ND         | ND  | ND  | 0.01                | 0.1              |
| Diisononyl phthalate (DINP)        | ND         | ND  | ND  | 0.01                | 0.1              |
| Diisobutyl phthalate (DIBP)        | ND         | ND  | ND  | 0.01                | 0.1              |
| Di-n-pentyl phthalate (DPENP)      | ND         | ND  | ND  | 0.01                | 0.1              |
| Di-n-hexyl phthalate (DHEXP)       | ND         | ND  | ND  | 0.01                | 0.1              |
| Dicyclohexyl phthalate (DCHP)      | ND         | ND  | ND  | 0.01                | 0.1              |

Remark: ND = Not Detected(Less than detection limit)

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

Date sample received: Mar 20 , 2024

Testing period: Mar 20 , 2024 to Mar 25 , 2024



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**9. 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) |                         |
| Dibutyl phthalate (DBP)            | ND                | ND  | ND  | 0.1                     |
| Di-(2-ethylhexyl) phthalate (DEHP) | ND                | ND  | ND  | 0.1                     |
| Benzyl butyl phthalate (BBP)       | ND                | ND  | ND  | 0.1                     |
| Diisononyl phthalate (DINP)        | ND                | ND  | ND  | 0.1                     |
| Diisobutyl phthalate (DIBP)        | ND                | ND  | ND  | 0.1                     |
| Di-n-pentyl phthalate (DPENP)      | ND                | ND  | ND  | 0.1                     |
| Di-n-hexyl phthalate (DHEXP)       | ND                | ND  | ND  | 0.1                     |
| Dicyclohexyl phthalate (DCHP)      | 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.

Date sample received: Mar 20 , 2024  
Testing period: Mar 20 , 2024 to Mar 25 , 2024

**Tested components:**

- (1) Brown coating on wood
- (2) White coating on wood
- (3) Black coating on metal (hinge)
- (4) Coppery metal screw (big)
- (5) Silvery metal without coating (hinge)
- (6) Black meta screw
- (7) Coppery metal small screw





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Picture 1: Submitted sample

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End of report

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