

Test Report

Report No.: ELE2505C09682

Date: Jun. 5, 2025

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Applicant: SANMING CITY HANHE HANDICRAFTS CO.LTD
Address: Room6,5 floor,16#, Qianlong Village, Meilie District, Sanming, Fujian, China
(Mainland)

The following sample was submitted and identified by/on behalf of the client as:

Product Name: dice tray
Age grading: 3+
Age Group Applied in Labeling: 3+
Age group applied in testing: 3+
Manufacturer: Fujian Sanming Yuanxin bamboo and wood products. Co., Ltd
Address: Room6,5 floor,16#, Qianlong Village, Meilie District, Sanming, Fujian, China
(Mainland)
Country of origin: Sanming China
Sample Received Date: 2025.5.27
Testing Period: 2025.5.27—2025.6.5
Test Requested: Please refer to the following page(s).
Test Method: Please refer to the following page(s).
Test Result(s): Please refer to the following page(s).
Summary of Test Results: Please refer to the Next page(s).

Signed for and on behalf of
Shenzhen Element Testing Co., Ltd.



Noel Yin
Technical Manager



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Test Requested	Result
1. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	
1.1 Mechanical and Physical test	Pass
1.2 Clause 4.2 Flammability test	Pass
1.3 Heavy metal content	
1.3.1 Clause 4.3.5.2 Heavy elements –Toy substrate materials	Pass
1.3.2 Clause 4.3.5.1 Heavy elements –Toy Paint/Similar Surface Coating materials	NA
1.4 Clause 4.3.5 Heavy elements – Migration of certain elements	Pass
2. USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children’s products containing Lead; Lead paint rule	Pass
3. USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates USA 16 CFR Part 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates	Pass
4. USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint	NA
5. CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 USC52063(a)(5) (CPSA))	Pass
6. CPSIA Section 103 Tracking Labels for Children's Products	Pass
7. As specified in title 16, code of federal regulations, chapter II- consumer products Safety commission of U.S.A	
7.1 Section 16CFR 1501	Pass
7.2 Section 16CFR 1500.48	Pass
7.3 Section 16CFR 1500.49	Pass
8. As specified by client, according to 15 U.S.C. § 1278a Children's products containing lead; lead paint rule (a) General lead ban, to determine the content of Lead (Pb) in the submitted sample.	Pass

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Test Results:
1. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety
1.1 Mechanical and Physical test

As specified in ASTM F963-23 standard consumer safety specification for toy safety.

Clause	Description	Result
4.	Safety Requirements	
4.1	Material Quality (Visual Examination)	Pass
4.2	Flammability	Pass (See Flammability Test)
4.3	Toxicology	Pass
4.3.1	Hazardous substance	NA
4.3.2	Manufacturing and Packaging of Food	NA
4.3.3	Indirect Food Additives	NA
4.3.4	Cosmetics	NA
4.3.5	Heavy Elements	See Heavy elements test
4.3.5.1	Paint and Simllar Surface-coating Materials	
4.3.5.2	Toy substance Materials	
4.3.6	Cosmetics, Liquid, Pastes, Putties, Gels and Powders	NA
4.3.7	Stuffing Materials	NA
4.3.8	DEHP	NA
4.4	Electrical / Thermal Energy	NA
4.5	Sound-producing Toys	NA
4.6	Small Objects	
4.6.1	Toys that are intended for children under 36 months of age	NA
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys and games that are intended for use by children who at least three years old but less than six years old	Pass
4.7	Accessible Edges	Pass
4.8	Projections	NA
4.9	Accessible Points	Pass
4.10	Wires or Rods	NA
4.11	Nails & Fasteners	Pass
4.12	Plastic Film	NA
4.13	Folding Mechanisms & Hinges	
4.13.1	Folding Mechanisms	NA
4.13.2	Hinge-line Clearance	NA
4.14	Cords, Straps, and Elastics	NA

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Clause	Description	Result
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires & Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	
4.25.1	Immediately adjacent to the batteries that fit completely within the small parts test cylinder shall not be	NA
4.25.2	The maximum allowable direct current potential between any two accessible electrical points is 24 V nominal.	NA
4.25.3	Battery-operated toys shall be designed so that it is not possible to charge any non-rechargeable battery.	NA
4.25.4.1	For toys intended for children less than 3 years old, no battery shall be accessible without requiring the use of a common household tool to access the battery(ies).	NA
4.25.4.2	For all toys that utilize batteries which fit completely within the small parts test cylinder, such batteries shall not be accessible without requiring the use of a common household tool to access the battery(ies).	NA
4.25.4.3	If a fastener is used to secure the battery compartment, it shall remain attached to the toy or battery compartment cover, before and after testing in accordance with 8.5 – 8.10.	NA
4.25.4.4	As an alternative to a common household tool, manufacturers are permitted to elect to use a specialty fastener (for example, Torx, Hex) to secure the battery compartment, in accordance with the requirements of 4.25.4, if the appropriate tool is included with the toy, and instructional material conforming to 6.9 is included.	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed & Beanbag-Type Toy	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

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Clause	Description	Result
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo-Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Marterials	NA
4.41	Toy Chests	NA
5.	Safety Labeling Requirements	
5.1	Federal Government Requirements	NA
5.2	Age Grading Labeling	Pass
5.3	Safety Labeling Requirements	Pass
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carrier Toys	NA
5.8	Toys Intended to be Assembled by an Adult	NA
5.9	Stimulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges and Sharp Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	Pass
5.12	Toys Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys	NA
5.16	Promotional Materials	NA
5.17	Magnets	NA
6	Instructional Literature	
6.1	Definition and description	NA
6.2	Crib & Playpen Toys	NA
6.3	Mobiles	NA
6.4	Toys Intended to be Assembled by an Adult	NA
6.5	Battery-Operated Toys	NA
6.6	Battery-powered Ride-on Toys	NA
6.7	Toys in contact with Food	NA
6.8	Toys chests	NA
7.	Producers Markings	

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Clause	Description	Result
7.1	Producers Markings	#2
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toys chests	NA

Remark: #1: Toys that are subject to any of the requirements of this specification should be labeled to indicate the minimum age for intended use or have such labeling on any retail packaging.
 #2: It is drawn to your attention that either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor
 *When not age labeled, products were subjected to the most stringent abuse test conditioning.
 NA = Not Applicable

Note: Only applicable clause(s) was/were shown.

1.2 Clause 4.2 Flammability test

As specified in ASTM F963-23 standard consumer safety specification for toy safety.

1.2.1 Flammability Test on Solid

Sample	Burning Rate (inch/sec)	Limit (inch/sec)
dice tray	DNI	0.1
*Burning rate has been rounded to the nearest one tenth of an inch per second.		
Note: Only applicable clause(s) was/were shown.		
DNI =Did Not Ignited		

1.3 Heavy elements test - Total Lead content

As specified in ASTM F963-23 standard consumer safety specification for toy safety clause 4.3.5, acid digestion methods specified in clause 8.3 were used and total Lead content was determined by ICP-OES

1.3.1 Toy substrate materials:

Tested Item	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)	
			1	2
Total Lead (Pb)	10	100	ND	ND

1.3.2 Toy Paint/Similar Surface Coating materials:

Tested Item	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)
			No Surface Coating materials
Total Lead (Pb)	10	90	NA

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1.4 Heavy elements test - Migration of certain elements

As specified in ASTM F963-23 standard consumer safety specification for toy safety clause 4.3.5, acid extraction methods specified in clause 8.3 were used and Migration of certain elements content were determined by ICP-OES

Tested Item	Unit	MDL	Limit (Modeling Clay)	Limit (Other than Modeling Clay)	Result
					1
Soluble Lead (Pb)	mg/kg	5	90	90	ND
Soluble Barium (Ba)	mg/kg	10	250	1000	ND
Soluble Cadmium (Cd)	mg/kg	5	50	75	ND
Soluble Chromium (Cr)	mg/kg	5	25	60	ND
Soluble Mercury (Hg)	mg/kg	5	25	60	ND
Soluble Antimony (Sb)	mg/kg	5	60	60	ND
Soluble Selenium (Se)	mg/kg	5	500	500	ND
Soluble Arsenic (As)	mg/kg	2.5	25	25	ND

Note: - Results shown of soluble elements are of adjusted analytical results by subtracting analytical correction factor.

2. Lead Content

2.1 CPSIA - Lead in Paint/Similar Surface Coating Materials

Test Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Analysis was performed by ICP-OES

Tested Item	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)
			No Surface Coating materials
Total Lead (Pb)	10	90	NA

2.2 CPSIA - Lead in Accessible Substrate Materials

Test Method: With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product ;

Analysis was performed by ICP-OES

Tested Item	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)	
			1	2
Total Lead (Pb)	10	100	ND	ND

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3. CPSIA – Phthalates Content

Test Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	CAS No.	Unit	MDL	Limit	Result (s)	
					1	2
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	30	1000	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	mg/kg	30	1000	ND	ND
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	mg/kg	30	1000	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	mg/kg	100	1000	ND	ND
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	mg/kg	30	1000	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	30	1000	ND	ND
Di-n-pentylphthalate (DPEP/DPENP)	131-18-0	mg/kg	30	1000	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	30	1000	ND	ND

4. USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint

Test Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Analysis was performed by ICP-OES

Test Item(s)	Unit	MDL	Limit	Result
				No coating material
Lead (Pb)	mg/kg	10	90	NA

5. CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 USC52063(a)(5) (CPSA))

Applicable Section	Description	Result
(a)(5)(A)	Effective 1 year after the date of enactment of the Consumer Product Safety Improvement Act of 2008, the manufacturer of a children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable	Pass
(i)	the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks, and	Pass
(ii)	the ultimate purchaser to ascertain the manufacturer or private labeler location and date of production of the product, and cohort information (including the batch, run number, or	Pass

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Applicable Section	Description	Result
	other identifying characteristic).	
(B)	The Commission may, by regulation, exclude a specific product or class of products from the requirements in subparagraph (A) if the Commission determines that it is not practicable for such product or class of products to bear the marks required by such subparagraph. The Commission may establish alternative requirements for any product or class of product excluded under the preceding sentence consistent with the purposes described in clauses (i) and (ii) of subparagraph (A).	NA
(b)	The Commission may by rule prescribe reasonable testing programs for any product which is subject to a consumer product safety rule under this Act, or a similar rule, regulation, standard, or ban under any other Act enforced by the Commission, and for which a certificate is required under subsection (a). Any test or testing program on the basis of which a certificate is issued under subsection (a) may, at the option of the person required to certify the product be conducted by an independent third party qualified to perform such tests, unless the Commission, by rule, requires testing by an independent third party for a particular rule, regulation, standard, or ban, or for a particular class of products	Pass
(c)	The Commission may by rule require the use and prescribe the form and content of labels which contain the following information (or that portion of it specified in the rule) -	Pass
(1)	The date and place of manufacture of any consumer product	Pass
(2)	The cohort information (including the batch, run number, or other identifying characteristic) of the product.	Pass
(3)	A suitable identification of the manufacturer of the consumer product, unless the product bears a private label in which case it shall identify the private labeler and shall also contain a code mark which will permit the seller of such product to identify the manufacturer thereof to the purchaser upon his request	Pass
(4)	in the case of a consumer product subject to a consumer product safety rule, a certification that the product meets all applicable consumer product safety standards and a specification of the standards which are applicable. Such labels, where practicable, may be required by the Commission to be permanently marked on or affixed to any such consumer product. The Commission may, in appropriate cases, permit information required under paragraphs (1) and (2) of this subsection to be coded.	Pass
(d)	REQUIREMENT FOR ADVERTISEMENTS. -No advertisement for a consumer product or label or packaging of such product may contain a reference to a consumer product safety rule or a voluntary consumer product safety standard unless such product conforms with the applicable safety requirements of such rule or standard.	Pass
(e)	WITHDRAWAL OF ACCREDITATION	Pass

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Applicable Section	Description	Result
(f)	DEFINITIONS. -- In this section	Pass
(g)	REQUIREMENTS FOR CERTIFICATES. - (1) IDENTIFICATION OF ISSUER AND CONFORMITY ASSESSMENTBODY. -- Every certificate required under this section shall identify the manufacturer or private labeler issuing the certificate and any third-party conformity assessment body on whose testing the certificate depends. The certificate shall include, at a minimum, the date and place of manufacture, the date and place where the product was tested, each party's name, full mailing address, telephone number, and contact information for the individual responsible for maintaining records of test results.	Pass
(h)	RULE OF CONSTRUCTION.	Pass
(i)	ADDITIONAL REGULATIONS FOR THIRD PARTY TESTING	Pass

6. CPSIA Section 103 Tracking Labels for Children's Products

Description	Result
1. Is the product intended for children under 12 years? If no, the section is not applicable.	Yes
2. Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	Yes
2.1 Name of the manufacturer or the name of the private labeler.	Pass
2.2 Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	Pass
2.3 Date of production of the product, in a form of MM/YY or any other coding system.	Pass
2.4 Cohort information (including the batch, run number, or another identifying characteristic).	Pass
3. Is the label permanent after below permanency testing?	Yes

7. As specified in title 16, code of federal regulations, chapter II- consumer products Safety commission of U.S.A

Applicable Section	Description	Result
16 CFR 1501	Identifying toys and other articles intended for use by Children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts.	Pass
16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Pass
16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Pass

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8. Lead Content

8.1 15 U.S.C. § 1278a - Lead in Accessible Substrate Materials

Test Method: With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product;

Analysis was performed by ICP-OES

Tested Item	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)	
			1	2
Total Lead (Pb)	10	100	ND	ND

Specimen Description:

1. Brown wood
2. Green PU (Re-submitted sample 2025.6.3)

- Note:
- MDL = Method Detection Limit
 - ND = Not Detected(<MDL)
 - 1mg/kg=1ppm=0.0001%
 - "+" =Composite test has been performed as per client's request and the result(s) is (are) calculated using the minimum specimen weight.
 - "-" =Not Regulated
 - Only selected materials were tested as per client's requirement.

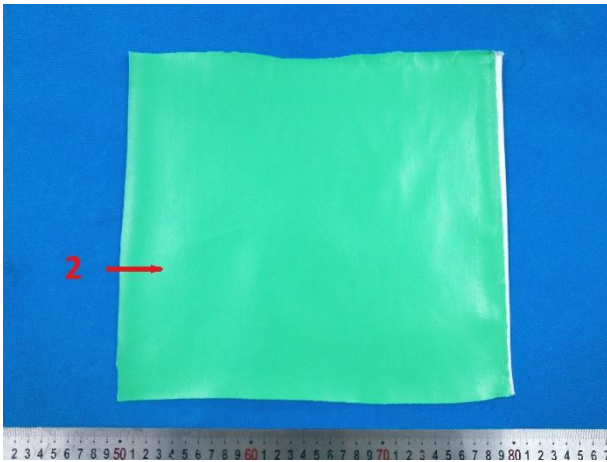
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Photo(s) of the sample(s)



Product Name: dice tray
Production date: 2025-5
Manufacturer: Fujian Sanming Yuanxin bamboo and wood products.Co.,Ltd
Address: Room6,5 floor,16#, Qianlong Village,Meilie District,Sanming, Fujian, China(Mainland)

⚠ WARNING:
CHOKING HAZARD - Small parts.
Not for children under 3 years

***** End of Report *****

Remark: This report is considered invalidated without the Special Seal of Shenzhen Element Testing Co., Ltd.. This report shall not be altered, increased, or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of Shenzhen Element Testing Co., Ltd., this test report shall not be copied except in full and published as advertisement.