



Test Report

Date : 2023-01-03
No. : DP22120496

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Applicant : Junior Learning, Inc.
19744 Beach Blvd. #389 Huntington Beach, CA 92648


Attn: Indra Susanto


Description of Samples : Two kinds of submitted sample(s) said to be :
Item name: Sentence Dice, Number Dice (see the attached photo)
Style/Item No.: JL531, JL536
Supplier: Longshore
Country of Destination: US
Age Grading for Testing: 4+
Country of Origin: China

Date Samples Received : 2022-12-20

Date Tested : 2022-12-20 to 2022-12-21

Investigation Requested :
1. ASTM F963-17: Standard Consumer Safety Specification for Toy Safety
-Physical and mechanical tests
-Flammability tests
-Heavy metals content
2. California Proposition 65 -Phthalates in child-care items and toys
3. California Proposition 65 -Heavy metals in Toys and childcare Articles
-Total Lead Content in substrate materials
4. USA Consumer Product Safety Improvement Act
-Sec. 101(a): Children's products containing lead - Total lead content for substrate
-Phthalates content as required by Section 108 USA Consumer Product Safety Improvement Act Proposed rule of 16 CFR 1307


WU Chou, Runner
Authorized Signatory


HUANG Qi-yin, Shanny
Authorized Signatory






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- Conclusion(s)** :
- ASTM F963-17: Physical and mechanical tests
The submitted sample(s) **complied** with the test requirement.
 - ASTM F963-17: flammability test
The submitted sample(s) **complied** with the test requirement.
 - ASTM F963-17: Heavy metals content
The submitted sample(s) **complied** with the test requirement.
 - California Proposition 65 -Phthalates in child-care items and toys
The submitted sample(s) **complied** with the test requirement.
 - California Proposition 65 -Heavy metals in child-care items and toys
The submitted sample(s) **complied** with the test requirement.
 - USA Consumer Product Safety Improvement Act, Sec. 101(a): Total lead content for substrate in children' s products
The submitted sample(s) **complied** with the test requirement.
 - USA Consumer Product Safety Improvement Act, Sec. 108 & 16 CFR1307: Phthalates content
The submitted sample(s) **complied** with the test requirement.



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Tested components

Plastic materials

- (1) Dice of JL531/JL536:grey white foam with red printing
- (2) Dice of JL531/JL536:grey white foam with pink printing
- (3) Dice of JL531/JL536:grey white foam with orange printing
- (4) Dice of JL531/JL536:grey white foam with green printing
- (5) Dice of JL531/JL536:grey white foam with blue printing
- (6) Dice of JL531/JL536:grey white foam with dark blue printing

AGE GRADING:

For Item No: JL536

The sample was appropriately age graded with the marking of “4+”.

For Item No: JL531

The sample was age graded with the marking of “6+”, However, the applicant requested it eb tested according to the age grade of 4 years up.

AGE GRADING FOR TESTING:

4 years up

Test Results:

1. ASTM F 963-17

1.1 Mechanical and physical hazards

Ref.: ASTM F963-17

Applicable requirements before and after use and abuse testing:

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>Safety requirements</u>	----
4.1	Material quality	Pass
4.2	Flammability	Pass*
4.3	Toxicology	*1
4.7	Accessible edges	Pass
4.9	Accessible points	Pass
5	<u>Labeling requirements</u>	----
5.2	Age grading labeling	*2
5.16	Promotional Material	Pass
6	<u>Instructional Literature</u>	----
6.1	Definition and Description	Pass
7	<u>Producer’s markings</u>	----
7.1	Name and address of the producer or distributor	Pass

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* = Please refer to section 1.2 of this report for details.
*1 = Please refer to section 1.3 of this report for details.
*2 = See age grading

Use and abuse testing:

<u>Applicable Clause</u>	<u>Description</u>	<u>Test Condition</u>
8.5	Normal use testing	
8.6	Abuse testing	
8.7	Drop test	4 drops at 3ft.
8.8	Torque test	4in-lb.
8.9	Tension test	15lb.
8.10	Compression tests	30lb.

1.2 Flammability test of material other than textiles of sample group

Ref : ASTM F963-17 Clause 4.2

Result: pass

Samples

Sentence Dice, Number Dice

Burning rate (.xx in/s)

DNI

DNI=Did Not Ignite.

1.3 Total lead content analysis

Ref.: ASTM F963-17 Section 4.3.5.2

Method: ASTM F963-17 Section 8.3

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

<u>Element</u>	<u>Result(mg/kg)</u>					<u>Limit(mg/kg)</u>
	(1)	(2)	(3)	(4)	(5)	
Total Lead (Pb)	<5	<5	<5	<5	<5	100

<u>Element</u>	<u>Result(mg/kg)</u>	<u>Limit(mg/kg)</u>
	(6)	
Total Lead (Pb)	<5	100

Note(s): (1) < = Less than.
(2) mg/kg = milligrams per kilogram

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Soluble content analysis

Ref.: ASTM F963-17 Section 4.3.5.1 and Section 4.3.5.2

Method: ASTM F963-17 Section 8.3

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

<u>Element</u>	<u>Result(mg/kg)</u>					<u>Limit(mg/kg)</u>
	(1)	(2)	(3)	(4)	(5)	
Soluble Lead	<2	<2	<2	<2	<2	90
Soluble Cadmium	<2	<2	<2	<2	<2	75
Soluble Chromium	<2	<2	<2	<2	<2	60
Soluble Barium	<2	<2	<2	<2	<2	1000
Soluble Antimony	<2	<2	<2	<2	<2	60
Soluble Arsenic	<2	<2	<2	<2	<2	25
Soluble Mercury	<2	<2	<2	<2	<2	60
Soluble Selenium	<2	<2	<2	<2	<2	500

<u>Element</u>	<u>Result(mg/kg)</u>	<u>Limit(mg/kg)</u>
	(6)	
Soluble Lead	<2	90
Soluble Cadmium	<2	75
Soluble Chromium	<2	60
Soluble Barium	<2	1000
Soluble Antimony	<2	60
Soluble Arsenic	<2	25
Soluble Mercury	<2	60
Soluble Selenium	<2	500

Note(s): (1) < = Less than.
(2) mg/kg = milligrams per kilogram

2. California Proposition 65

US California Proposition 65 (Superior Court of California –Court Case No.BG-07 -350969)- The Phthalates contents in Toys and childcare Articles

Method used: With reference to CPSC-CH-C1001-09.4, Analysis was performed by Gas Chromatography Mass Spectrometer.

<u>Full Name</u>	<u>Result(%)</u>		<u>Limit(%)</u>
	(1+2+3)	(4+5+6)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.1
Benzyl Butyl phthalate (BBP)	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	0.1
Diisodecyl Phthalate (DIDP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	--

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Note(s): (1) ND = Not Detected (below MDL)
(2) % = percentage by weight
(3) Method detection limit (MDL) for DBP, BBP, DEHP, DIDP and DnHP,
= 0.010% (w/w)

**3. US California Proposition 65 (Superior Court of California -Court Case No. BG-07-356892)-
Total Lead Content in substrate materials**

Method used:

Non-Metal -- CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining
Total Lead (Pb) in Non-Metal materials

Metal -- CPSC-CH-E1001-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in
Metal materials

<u>Element</u>	<u>Result(mg/kg)</u>					<u>Limit(mg/kg)</u>
	(1)	(2)	(3)	(4)	(5)	
Total Lead (Pb)	<5	<5	<5	<5	<5	100

<u>Element</u>	<u>Result(mg/kg)</u>	<u>Limit(mg/kg)</u>
	(6)	
Total Lead (Pb)	<5	100

Note(s): (1) < = Less than. (Method detection limit=5mg/kg)
(2) mg/kg = milligrams per kilogram

4. USA Consumer Product Safety Improvement Act

4.1 Children's products containing lead - Total lead content in substrate

Test Method / Instrument:

Ref.: CPSIA Sec 101(a).

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Test method: Standard operation procedure for determining total lead (Pb) in non-metal
children's products CPSC-CH-E1002-08.3 & in metal children's products CPSC-CH-
E1001-08.3

<u>Element</u>	<u>Result(mg/kg)</u>			<u>Limit(mg/kg)</u>
	(1)	(2)	(3)	
Total lead (Pb)	<5	<5	<5	100

<u>Element</u>	<u>Result(mg/kg)</u>			<u>Limit(mg/kg)</u>
	(4)	(5)	(6)	
Total lead (Pb)	<5	<5	<5	100

Note(s): (1) < = Less than.
(2) mg/kg = milligrams per kilogram

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4.2 Phthalates content

Ref.: CPSIA Sec. 108 & 16 CFR 1307

Test method: CPSC-CH-C1001-09.4

Determined by: Gas Chromatography with Mass Selective Detector

<u>Phthalates</u>	<u>Result %(w/w)</u>		<u>Limit %(w/w)</u>
	(1+2+3)	(4+5+6)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate(DEHP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.1
Di-n-hexyl phthalate(DHEXP)	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.1

- Note(s): (1) ND = Not Detected(Below MDL)
(2) %(w/w)=percentage weight per weight
(3) Method detection limit for DBP, BBP, DEHP, DINP, DIBP, DPENP, DHEXP, DCHP = 0.010% (w/w)

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Appendix for Photos of the Submitted Sample(s)



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

签发测试报告的条款

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