



Test Report

Date : 2022-05-25
No. : DP22050913

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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:CVC Blender,Rainbow Phonics Tiles
(see the attached photo)
Style/Item No.:JL653,JL654
Supplier:WingFat
Country of Origin:China
Country of Destination:US
Age Grading for Testing:4+

Date Samples Received : 2022-05-17

Date Tested : 2022-05-17 to 2022-05-19

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
- 5.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

Handwritten signature of WU Chou, Runner.

WU Chou,Runner
Authorized Signatory

Handwritten signature of HUANG Qi-yin, Shanny.

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.



WU Chou, Runner
Authorized Signatory



HUANG Qi-yin, Shanny
Authorized Signatory





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Tested components

Plastic materials

- (1) Letter of CVC blender/rainbow(JL653/JL654):white foam
- (2) Letter of CVC blender/rainbow(JL653/JL654):black plastic with magnetism
- (3) Letter of CVC blender/rainbow(JL653/JL654):transparent plastic laminated on white paper with pink/blue/red multicolor coating
- (4) Game guide(JL653):transparent plastic laminated on white paper with orange/blue/red multicolor coating
- (5) Color box of CVC blender(JL653):transparent plastic laminated on greyboard with orange/red/blue multicolor coating
- (6) Color box of rainbow(JL654):transparent plastic laminated on greyboard with white paper and dark blue/pink/green multicolor coating

Textile materials

- (7) Rubber of rainbow(JL654):white fabric with rubber

AGE GRADING:

For Item No: JL654:

The sample was age graded with the marking of “Ages 5+”;However, the applicant requested it be tested according to the age grade 4 years and up.

For Item No: JL653:

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

AGE GRADING FOR TESTING:

4 years up

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
4.6	Small Objects	Pass
4.7	Accessible edges	Pass
4.9	Accessible points	Pass
4.12	Plastic Film	Pass
4.38	Magnets	Pass

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<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
5	<u>Labeling requirements</u>	----
5.1	Federal Government Requirements	Pass
5.2	Age grading labeling	*2
5.3	Safety Labeling Requirements	Pass
5.11	Small objects, Small Balls, Marbles and Balloons	Pass
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

* = 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

<u>Samples</u>	<u>Burning rate (.xx in/s)</u>
Tiles	DNSF

DNSF= Did not burn with a self-sustained flame

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>
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	(6)	(7)	
Total Lead (Pb)	<5	<5	100

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

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

Element	Result(mg/kg)					Limit(mg/kg)
	(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	10	344	<2	<2	13	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

Element	Result(mg/kg)		Limit(mg/kg)
	(6)	(7)	
Soluble Lead	<2	<2	90
Soluble Cadmium	<2	<2	75
Soluble Chromium	<2	<2	60
Soluble Barium	11	<2	1000
Soluble Antimony	<2	<2	60
Soluble Arsenic	<2	<2	25
Soluble Mercury	<2	<2	60
Soluble Selenium	<2	<2	500

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

2. California Proposition 65

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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.

Full Name	Result(%)			Limit(%)
	(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
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	0.1
Diisodecyl Phthalate (DIDP)	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	--

Full Name	Result(%)			Limit(%)
	(4)	(5)	(6)	
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
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	0.1
Diisodecyl Phthalate (DIDP)	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	--

Full Name	Result(%)	Limit(%)
	(7)	
Dibutyl phthalate (DBP)	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	0.1
Benzyl Butyl phthalate (BBP)	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	0.1
Diisodecyl Phthalate (DIDP)	ND	0.1
Diisononyl phthalate (DINP)	ND	--

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)-

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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)	(7)	
Total Lead (Pb)	<5	<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

<u>Element</u>	<u>Result(mg/kg)</u>	<u>Limit(mg/kg)</u>
	(7)	
Total lead (Pb)	<5	100

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

4.2 Phthalates content

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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)	
Dibutyl phthalate (DBP)	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate(DEHP)	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

<u>Phthalates</u>	<u>Result %(w/w)</u>			<u>Limit %(w/w)</u>
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate(DEHP)	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

<u>Phthalates</u>	<u>Result %(w/w)</u>	<u>Limit %(w/w)</u>
	(7)	
Dibutyl phthalate (DBP)	ND	0.1
Benzyl butyl phthalate (BBP)	ND	0.1
Di-(2-ethylhexyl) phthalate(DEHP)	ND	0.1
Diisononyl phthalate (DINP)	ND	0.1
Diisobutyl phthalate (DIBP)	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	0.1
Di-n-hexyl phthalate(DHEXP)	ND	0.1
Dicyclohexyl phthalate (DCHP)	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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