



## Test Report

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**Date** : 2022-04-18  
**No.** : DP22040595

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

Attn: Indra Susanto

**Description of Samples** : Three kinds of submitted sample(s) said to be :  
Item name:Alphabet Arc, CVC Word Strips, My First Sight Words  
(see the attached photo)  
Style/Item No.:JL197, JL198, JL609  
Supplier:WingFat  
Country of Origin:China  
Country of Destination:US  
Age Grading for Testing:4+

**Date Samples Received** : 2022-04-13

**Date Tested** : 2022-04-13 to 2022-04-18

**Investigation Requested** :

- 1.ASTM F963-17: Standard Consumer Safety Specification for Toy Safety
  - Physical and mechanical tests
  - Flammability test
  - Heavy metals content
- 2.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
- 3.California Proposition 65 -Heavy metals in Toys and childcare Articles
  - Total Lead Content in substrate materials
- 4.California Proposition 65 -Phthalates in child-care items and toys

Handwritten signature of WU Chou in black ink.

WU Chou,Runner  
Authorized Signatory

Handwritten signature of HUANG Qi-yin in black ink.

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.
  - 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.
  - California Proposition 65 -Heavy metals in child-care items and toys  
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.

  
WU Chou, Runner  
Authorized Signatory

  
HUANG Qi-yin, Shanny  
Authorized Signatory





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### Tested components

#### Plastic materials

- (1) Color box of Alphabet Arc(JL197):transparent plastic with white paperboard and yellow/purple/red multicolor coating
- (2) Color box of CVC Word Strips(JL198):transparent plastic with white paperboard and orange/yellow/blue multicolor coating
- (3) Color box of My First Sight Words(JL609):transparent plastic with white paperboard and light purple/purple/red multicolor coating
- (4) Rainbow letters of Alphabet Arc(JL197):transparent plastic with white paper and green/blue/red multicolor coating
- (5) Magnetic word strips of CVC Word Strips(JL198):transparent plastic with white paper and orange/dark blue/red multicolor coating
- (6) Words of My First Sight Words(JL609):transparent plastic with white paper and black/green/red multicolor coating
- (7) Rainbow letters of Alphabet Arc(JL197)/magnetic word strips of CVC Word Strips(JL198)/words of My First Sight Words(JL609):black plastic with magnetic properties

#### Paper materials

- (8) Color box of CVC Word Strips(JL198)/My First Sight Words(JL609):grey paperboard with white paper

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

### AGE GRADING FOR TESTING:

4 years up

### Test Results:

#### 1. ASTM F 963-17

##### 1.1 Standard Consumer Safety Specification for Toy Safety - ASTM F963 Physical & Mechanical test Applicable requirements before and after use and abuse testing:

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety requirements	----
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

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<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4.38	Magnets	Pass
5	<u>Labeling requirements</u>	----
5.1	Federal Government Requirements	Pass
5.2	Age grading labeling	Pass
5.3	Safety Labeling Requirements	Pass
5.11	Small objects, Small Balls, Marbles and Balloons	Pass
5.16	Promotional Materials	Pass
6	<u>Instructional literature</u>	----
6.1	Definition and Description	Pass
7	Producer's markings	----
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.

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 3 ft.
8.8	Torque test	4in-lb.
8.9	Tension test	15lb.
8.10	Compression tests	30lb.

### 1.2 Flammability test

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>
JL198	DNSF
JL197	DNSF
JL609	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

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Element	Result(mg/kg)					Limit(mg/kg)
	(1)	(2)	(3)	(4)	(5)	
Total Lead (Pb)	<5	<5	10	<5	<5	100

Element	Result(mg/kg)			Limit(mg/kg)
	(6)	(7)	(8)	
Total Lead (Pb)	<5	<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	7	<2	<2	90
Soluble Cadmium	<2	<2	<2	<2	<2	75
Soluble Chromium	<2	<2	<2	<2	<2	60
Soluble Barium	<2	<2	20	<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

Element	Result(mg/kg)			Limit(mg/kg)
	(6)	(7)	(8)	
Soluble Lead	<2	<2	<2	90
Soluble Cadmium	<2	<2	<2	75
Soluble Chromium	<2	<2	<2	60
Soluble Barium	<2	445	<2	1000
Soluble Antimony	<2	<2	<2	60
Soluble Arsenic	<2	<2	<2	25
Soluble Mercury	<2	<2	<2	60
Soluble Selenium	<2	<2	<2	500

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

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### 2. USA Consumer Product Safety Improvement Act

#### 2.1 Children's products containing lead - Total lead content in substrate

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	10	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)	(8)	
Total lead (Pb)	<5	<5	100

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

#### 2.2 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)	(7)	
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

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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### 3. California Proposition 65

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	10	<5	<5	100

<u>Element</u>	<u>Result(mg/kg)</u>			<u>Limit(mg/kg)</u>
	(6)	(7)	(8)	
Total Lead (Pb)	<5	<5	<5	100

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

### 4. 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)	(7)	
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	--

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)

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### Appendix for Photos of the Submitted Sample(s)



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



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