

Test Report

Number: SZHH01258699

Applicant: CSP INC
8248 W. ORANGE DR GLENDALE,AZ 85303 USA
Attn: Wendy

Date: Jun 04, 2018

Sample Description:

Twelve (12) pieces of submitted samples said to be :
Item Name : **Motorcycle Eraser.**
Item No. : **Finger Puppets.**
P. O. No. : 1-802.
Labelled Age Group : Not Specified.
Applicant Specified Age : Over 3 years
Grading for Testing :
Packaging Provided by Applicant : Yes(artwork).
Additional Material and Wet Paint Provided : Yes.
Buyer : Kids'Korner
Date Sample Received : May 24, 2018.



To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

A handwritten signature in black ink is written over a red circular stamp. The stamp contains the text 'Intertek Testing Services Shenzhen Ltd.' and '天祥质量技术服务深圳有限公司' around a central star.

Ben N.L. Lin
General Manager

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Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-17</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests excluding small part warning requirement of section 4.6.3 and 5.11	Pass

Flammability test of materials other than textile materials	Pass
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Tested components of submitted samples	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Pass

U.S. CFR Title 16 (CPSC Regulations) Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
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Tested components of submitted samples	U.S. CFR Title 16 Part 1303 total Lead content	Pass
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U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Pass
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U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
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To be continued

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass
	US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	Consent Judgment No. RG- 356892 for total Lead content based on the California Proposition 65	Pass
	Consent Judgment No. BG-350969 on phthalate content based on the California Proposition 65	Pass
	Illinois Lead Poisoning Prevention Act 410 ILCS 45 on total Lead content requirement	Pass

Remark:

As requested by the applicant, heavy elements content test was conducted only on components listed in this report. Other components were not tested.

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Shenzhen Ltd.




Ben N.L. Lin
General Manager



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Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

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>
Impact test	Section 1500.53(b)	4 x 3.0 ft
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

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
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)	NA
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)	#
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	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	NA
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



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Section	Testing Items	Assessment
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
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	#
6	Instructional literature	NA
7	Producer's markings	
7.1	- Name of producer/distributor	No
	- Address	No
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA



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Remark: 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.

P = Pass NA = Not Applicable

Remark: The final product or its packaging must be marked with the name and address of the producer or distributor as specified in section 7.1 of U.S. ASTM F963-17.

= As requested by applicant, sections 4.6.3 and 5.11 for small part warning were not assessed.

2 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

<u>Sample</u>	<u>Ignition Point</u>	<u>Burn Length</u> (inch)	<u>Time</u> (sec)	<u>Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Blue finger puppet	Edge	2.3	60	0.04	0.1

The submitted toy sample was tested, the above result only showed the most severe burn rate of the samples.

3 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

<u>Element</u>	<u>Result (ppm) θ</u>		<u>Reporting Limit (ppm)</u>	<u>Limit (ppm)</u>
	<u>Tested Component</u>			
	<u>(8+9),(10+11)</u>			
Lead (Pb)	ND		10	90

(II) Non-surface coating

<u>Element</u>	<u>Result (ppm)</u>		<u>Reporting Limit (ppm)</u>	<u>Limit (ppm)</u>
	<u>Tested Component</u>			
	<u>(5+6+7)</u>			
Lead (Pb)	ND		10	100

ppm = part per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

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



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Tests Conducted

4 Heavy Elements Analysis (except modelling clay)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting limit (ppm)	Limit (ppm)
	Tested component		
	(6)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble
ppm = part per million = mg/kg
ND = Not detected

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

5 Physical and Mechanical Test

As per U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	NA	NA
Impact (1500.53(b))	1	P	NA	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	NA	NA
Tension (1500.53(f))	1	P	NA	NA
Compression (1500.53(g))	1	P	NA	NA

Remark : P = Pass
NA= Not Applicable



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Tests Conducted

6 Flammability Test

As per U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

Sample	Ignition Point	Burn Length (inch)	Time (sec)	Burn Rate (inch/sec)	Limit (inch/sec)
Blue finger puppet	Edge	2.3	60	0.04	0.1

The sample was tested, the above result only showed the most severe burn rate.

7 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(8+9),(10+11)		
Lead (Pb)	ND	10	90

ppm = parts per million = mg/kg
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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

8 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 methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(5+6+7)		
Lead (Pb)	ND	10	100

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



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Tests Conducted

9 Phthalate Content

As per CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) θ	Reporting Limit (%)	Limit (%)
		Tested component (5+6+7),(8+9),(10+11)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Di-n-octyl phthalate (DNOP)	117-84-0	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.01	0.1

The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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

10 Phthalate Content

With reference to CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) θ	Reporting limit (%)	Limit (%)
		Tested component (5+6+7),(8+9),(10+11)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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



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Tests Conducted

11 Total Lead Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8+9),(10+11)		
Lead (Pb)	ND	10	90

Element	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(5+6+7)		
Lead (Pb)	ND	10	100

The above limit was quoted from the Consent Judgment No. RG- 356892 settled by superior court of the State of California for the county of Alameda, for toys based on the California Proposition 65.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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

12 Phthalate Content

With reference to CPSC-CH-C1001-09.3 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) θ	Reporting limit (%)	Limit (%)
		Tested component		
		(5+6+7),(8+9),(10+11)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.01	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	--



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The above limit was quoted from the Consent Judgment No. BG-350969 settled by superior court of the state of California for the county of Alameda, for toys (designed for or reasonable used by children under six years of age) based on the California Proposition 65.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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

13 Total Lead (Pb) Content

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45, with reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (%) θ	Reporting Limit (%)	Warning Statement Limit (%)	Limit (%)
	Tested Component			
	(8+9).(10+11)			
Lead (Pb)	ND	0.001	0.004	0.009

(II) Non-Surface Coating

Element	Result (%)	Reporting Limit (%)	Limit (%)
	Tested Component		
	(5+6+7)		
Lead (Pb)	ND	0.001	0.01

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

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



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Component list:

- (1) White coating on soft plastic(eyes, mouth of pink style, blue-short style; mouth of blue-tall style).
- (2) Black coating on soft plastic(eyes, mouth of pink style, blue-short style; mouth of blue-tall style).
- (3) Pink coating on soft plastic(nose of blue-tall style).
- (4) Blue coating on soft plastic(eye of yellow style).
- (5) Pink soft plastic(pink style).
- (6) Blue soft plastic(blue-tall, blue-short style).
- (7) Yellow soft plastic(yellow style).
- (8) White dry paint(eyes, mouth of pink style, blue-short style; mouth of blue-tall style).
- (9) Black dry paint (eyes, mouth of pink style, blue-short style; mouth of blue-tall style).
- (10) Pink dry paint (nose of blue-tall style).
- (11) Blue dry paint (eye of yellow style).

End of report

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