

Test Report

Number: SZHH01258650

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

Date: Jun 04, 2018

Attn: Wendy

Sample Description:

Two (2) sets of submitted samples said to be :
Item Name : **Motorcycle Eraser.**
Item No. : **Mini Fidget Spinners.**
P. O. No. : 1-804.
Labelled Age Group : Not Specified.
Applicant Specified Age : 3+
Grading for Testing :
Packaging Provided by Applicant : Yes.
Additional Material and Wet Paint Provided : No.
Buyer : Kids'Korner
Date Sample Received : May 24, 2018.



To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

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 sample sets	Physical and mechanical tests excluding small part warning requirement of section 4.6.3 & 5.11	Pass

Flammability test of materials other than textile materials	Pass
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Tested component of submitted sample sets	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	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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U.S. CFR Title 16 Part 1303 total Lead content	Not applicable
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U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Not applicable
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Tested component of submitted samples	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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Consent Judgment No. RG- 356892 for total Lead content based on the California Proposition 65	Pass
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Illinois Lead Poisoning Prevention Act 410 ILCS 45 on total Lead content requirement	Pass
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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	P
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	P
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	P
7	Producer's markings	
7.1	- Name of producer/distributor (Package)	Yes
	- Address (Package)	Yes
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

= As requested by applicant, sections 4.6.3 & 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.

Result: Ignited but self-extinguished before burn rate could be determined.

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.

Non-surface coating

Element	Result (ppm)		Reporting Limit (ppm)	Limit (ppm)
	Tested Component			
	(1)			
Lead (Pb)	ND		10	100

ppm = part per million = mg/kg
ND = Not detected

Tested Component: (1) Blue plastic (body, middle).

Assessment: Since no scrapable surface coating was found on the submitted samples, the testing scope for surface coating was not applicable to the submitted samples.



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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			
	(1)			
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
 θ = Single result for each test component/group

Tested Component: (1) Blue plastic (body, middle).

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	P	NA
Impact (1500.53(b))	1	P	P	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	NA
Tension (1500.53(f))	1	P	P	NA
Compression (1500.53(g))	1	P	P	NA

Remark : P = Pass
 NA= Not Applicable



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6 Flammability Test

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

Result: Ignited but self-extinguished before burn rate could be determined.

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.

Assessment:

Since no scrapable surface coating was found on the submitted samples, the testing scope was not applicable to the submitted samples.

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			
	(1)			
Lead (Pb)	ND		10	100

ppm = parts per million = mg/kg
ND = Not detected (less than reporting limit)

Tested Component: (1) Blue plastic (body, middle).



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9 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)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)		
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)

Tested Component: (1) Blue plastic (body, middle).

10 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.

Non-Surface Coating

Element	Result (%)	Reporting Limit (%)	Limit (%)
	Tested Component		
	(1)		
Lead (Pb)	ND	0.001	0.01

ND = Not detected (less than reporting limit)

Tested Component: (1) Blue plastic (body, middle).

End of report

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