

Test Report

Number: SZHH01258657

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

Date: Jun 15, 2018

Sample Description:

Thirteen (13) pieces of submitted sample said to be :
Item Name : **Motorcycle Eraser.**
Item No. : **Walking Spring.**
P. O. No. : 16-105.
Labelled Age Group : Not Specified.
Applicant Specified Age : Over 8 Years.
Grading for Testing :
Packaging Provided by Applicant : Yes(artwork).
Additional Material and Wet Paint Provided : No.
Buyer : Kids' Korner.
Date Sample Received : May 24, 2018.



Tests conducted:

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

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager

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Conclusion:

<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-17</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests	Pass
	Flammability test of materials other than textile materials	Pass
Tested components of submitted samples	Heavy elements test	Pass

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Not Applicable
	U.S. CFR Title 16 (CPSC Regulations)Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
	U.S. CFR Title 16 Part 1303 total Lead content	Not Applicable
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Not Applicable
Tested components 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
	Illinois Lead Poisoning Prevention Act 410 ILCS 45 on total Lead content requirement	Pass
	Consent Judgment No. RG- 356892 for total Lead content based on the California Proposition 65	Pass

Remark: As requested by the applicant, U.S. ASTM F963-17 soluble heavy elements test was conducted only on component listed in this report. Other components were not tested.

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Tests Conducted

1 Physical and Mechanical Tests

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

Section	Testing Items	Assessment
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)	NA
4.7	Accessible edges	NA
4.8	Projections	NA
4.9	Accessible points	NA
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
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



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Section	Testing Items	Assessment
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	P
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

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



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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 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			
	(2)			
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



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4 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

<u>Element</u>	<u>Result (ppm) θ</u>	<u>Reporting Limit (ppm)</u>	<u>Limit (ppm)</u>
	<u>Tested Component</u>		
	<u>(1+2),(3+4)</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

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.

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.

Remark:

The physical and mechanical tests requirements of U.S. Consumer Products Safety Commission for toys and articles intended for use by the children specified in U.S. Code of Federal Regulations Title 16, Part 1500.48, 1500.49 and 1501 are only for children under 8 years of age. Therefore the submitted sample was found not applicable.

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.



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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) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1+2),(3+4)		
Lead (Pb)	ND	10	100

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

9 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 (%) θ	Reporting Limit (%)	Limit (%)
	Tested Component		
	(1+2),(3+4)		
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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10 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		
	(1+2),(3+4)		
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

Component list:

- (1) Transparent pink plastic(pink style).
- (2) Transparent green plastic(green style).
- (3) Transparent blue plastic(blue style).
- (4) Transparent yellow plastic(yellow style).

End of report

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