



Test Report

Number: SZHH00859607

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

Date: Apr 29, 2014

Attn: WENDY

Sample Description:

One (1) piece of submitted sample said to be :
Item Name : **Spring.**
Item No. : **K2-406.**
Applicant Specified Age : Over 3 Years.
Grading for Testing :
Packaging Provided by Applicant : Yes.
Additional Material and Wet Paint Provided : No.
Buyer : Kids' Korner.



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 F963-11</u>	<u>Result</u>
Submitted sample	Physical and mechanical tests	Pass

	Flammability test of materials other than textile materials	Pass
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Tested components of submitted sample	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass

Remark:

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

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.




Ben N.L. Lin
General Manager



Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

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 36 months to 72 months (small part warning)	NA
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 and elastics in toys	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
4.30	Toy gun marking	NA
4.31	Balloons	NA





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Section	Testing Items	Assessment
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
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
	- Name of producer/distributor	Yes
	- Address	Yes

Remark : The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

Date sample received: Apr 11, 2014 & Apr 24, 2014
Testing period: Apr 11, 2014 to Apr 26, 2014

2 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, 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

Date sample received: Apr 11, 2014
Testing period: Apr 11, 2014 to Apr 16, 2014





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3 Heavy Elements Analysis

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>	<u>Limit</u>
	<u>(1)</u>	<u>ppm</u>
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<2.5	25

Sol. = Soluble
ppm = parts per million

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

Date sample received : Apr 11, 2014
Testing period : Apr 11, 2014 to Apr 14, 2014

4 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 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>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)to(3)	<10	100

ppm = parts per million

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

Date sample received : Apr 11, 2014
Testing period : Apr 11, 2014 to Apr 14, 2014





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5 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.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)to(3)	<10	100

ppm = parts per million

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

Date sample received: Apr 11, 2014

Testing period: Apr 11, 2014 to Apr 14, 2014

Component list:

- (1) Transparent yellow plastic with silver color glitter insert (body of all styles).
- (2) Transparent pink plastic with silver color glitter insert (body of all styles).
- (3) Transparent aqua plastic with silver color glitter insert (body of all styles).

End of report

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