



**Test Report**

Number: SZHH00860126

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

Date: Apr 29, 2014

Sample Description:

One (1) piece of submitted sample said to be :  
Item Name : **Light up Ball.**  
Item No. : **K4-404.**  
Applicant Specified Age : Over 3 Years.  
Grading for Testing  
Packaging Provided by Applicant : Yes.  
Additional Material and Wet Paint Provided : No.  
Buyer : Kids' Korner.



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Tests conducted:

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

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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 excluding plastic film and battery-operated toys requirement of section 4.12, 4.25, 5.15 & 6.5	Pass

	Flammability test of materials other than textile materials	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample	U.S. ASTM F963-11 for heavy elements test	Pass

	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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Submitted sample	U.S. Code of Federal Regulations Title 16 CFR 1303 for total Lead content in surface coating	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 components of submitted sample	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass
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**Remark:**

As requested by the applicant, U.S. ASTM F963-11 Soluble heavy elements content test was conducted only on components 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	#
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	#
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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3 Heavy Elements Analysis (except modelling clay)

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>
	(1)	<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 14, 2014  
Testing period: Apr 14, 2014 to Apr 17, 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

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

Date sample received: Apr 14, 2014  
Testing period: Apr 14, 2014 to Apr 17, 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> (1)to(3)	<u>Result (ppm)</u> <10	<u>Limit (ppm)</u> 100
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ppm = parts per million

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

Date sample received: Apr 14, 2014  
Testing period: Apr 14, 2014 to Apr 17, 2014

6 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 sample, the testing scope was not applicable to the submitted sample.

Date sample received: Apr 14, 2014  
Testing period: Apr 14, 2014 to Apr 17, 2014

7 Phthalate Content

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

	<u>Result (%)</u> (1/2/3)	<u>Limit (%)</u>
Dibutyl phthalate (DBP)	<0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	0.1

	<u>Result (%)</u> (1/2/3)	<u>Limit (%)</u>
Di-iso-nonyl phthalate (DINP)	<0.01	0.1
Di-n-octyl phthalate (DNOP)	<0.01	0.1
Di-iso-decyl phthalate (DIDP)	<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.

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

Date sample received : Apr 14, 2014  
Testing period : Apr 14, 2014 to Apr 18, 2014

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Component list:

- (1) Yellow plastic (ball).
- (2) Green plastic (ball).
- (3) Peach plastic (ball).

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End of report

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