



**Test Report**

Number: SZHH00859595

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

Date: May 04, 2014

Attn: WENDY

**Sample Description:**

One (1) piece of submitted sample said to be :  
Item Name : **High-Bounce Ball.**  
Item No. : **K2-410.**  
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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Number: SZHH00859595

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 component of submitted sample	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested component 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

	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass
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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

<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
4.32	Certain toys with nearly spherical ends	NA





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Number: SZHH00859595

Tests Conducted

Section	Testing Items	Assessment
4.33	Marbles	NA
4.34	Balls	P
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	NA
7	Producer's markings	
	- Name of producer/distributor	No
	- Address	No

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

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 F963-11.

Date sample received: Apr 11, 2014 & Apr 30, 2014  
Testing period: Apr 11, 2014 to Apr 30, 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 17, 2014

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Number: SZHH00859595

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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 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 : Transparent plastic (surface of all styles).

Date sample received: Apr 11, 2014  
Testing period: Apr 11, 2014 to Apr 15, 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

Result: Less than 10ppm

Limit: 100ppm

ppm = parts per million

Tested component : Transparent plastic (surface of all styles).

Date sample received: Apr 11, 2014  
Testing period: Apr 11, 2014 to Apr 15, 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.

Result: Less than 10ppm

Limit: 100ppm

ppm = parts per million

Tested component : Transparent plastic (surface of all styles).

Date sample received: Apr 11, 2014

Testing period: Apr 11, 2014 to Apr 15, 2014

6 Phthalate Content

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

	<u>Result (%)</u>	<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>	<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 component : Transparent plastic (surface of all styles).

Date sample received: Apr 11, 2014

Testing period: Apr 11, 2014 to Apr 16, 2014

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End of report

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