



Test Report

Number: SZHH01057290

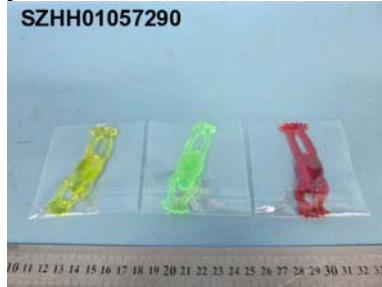
Applicant: CSP INC
8248W.ORANGE DR GLENDALE,AZ 85303

Date: May 23, 2016

Attn: wendy

Sample Description:

Twelve (12) pieces of submitted sample said to be :
Item Name : **Slingshot Frog.**
Item No. : **K16-603.**
Reference No. : **-**
Labelled Age Group : **Not specified.**
Applicant Specified Age : **Over 3 Years.**
Grading for Testing :
Packaging Provided by Applicant : **No.**
Additional Material and Wet Paint Provided : **No.**
Date Sample Received : **May 13, 2016.**



To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.




Ben N.L. Lin
General Manager



Intertek Testing Services Shenzhen Ltd.- Hardlines

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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 F963-11</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests excluding labeling requirement of section 5, 6, 7	Pass
	Flammability test of materials other than textile materials	Pass

Tested components of submitted samples	Heavy elements test	Pass
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<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass

Remark: As requested by the applicant, Soluble heavy elements content test was conducted only on components 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 F963-11.

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





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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
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	P
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
5	Labelling requirement	NA
6	Instructional literature	NA
7	Producer's markings	No
	- 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

Remark: 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.



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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.

<u>Sample</u>	<u>Ignition Point</u>	<u>Burn Length</u> (inch)	<u>Time</u> (sec)	<u>Actual Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Red Forg	Edge	3/4	60	0.02	0.1

The submitted toy samples was tested, the above result only showed the most severe burn rate of the samples.

3 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>Element</u>	<u>Result (ppm)</u>		<u>Reporting Limit (ppm)</u>	<u>Limit (ppm)</u>
	<u>Tested Component</u>			
	<u>(1)to(3)</u>			
Lead (Pb)	ND		10	100

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

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.





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4 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.

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

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

5 Phthalate Content

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

Test item	Result (%)	Reporting Limit (%)	Limit (%)
	Tested component		
	(1)to(3)		
Dibutyl phthalate (DBP)	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	ND	0.01	0.1
Di-n-octyl phthalate (DNOP)	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	ND	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.

ND = Not detected

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





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Component list:

- (1) Transparent green plastic (frog).
- (2) Transparent red plastic (frog).
- (3) Transparent yellow plastic (frog).

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.



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