

Test Report No.
EFSN13040073C

Test Report

Applicant	: CSP INC
Address	: 8248 W. ORANGE DR GLENDALE, AZ 85303 USA
Buyer	: KIDS' KORNER
Country of Origin	: CHINA
Test Item	: 1 sample of kaleidoscope
Sample Description	: KALEIDOSCOPE
Style/Model No.	: K6-312
Delivery Condition	: Apparent good, samples tested as received
Date of Receipt	: Apr. 07 th 2013; Apr. 22 nd 2013
Test Period	: Apr. 08 th 2013 to Apr. 22 nd 2013
Testing Location	: Shenzhen
Test Specification	Physical and Mechanical Test Flammability Test Total Lead Content and Migration of Certain Elements Test In accordance with ASTM F963-11 Standard Consumer Safety Specification for Toy Safety Total Lead Content - according to US Consumer Product Safety Improvement Act 2008 (CPSIA).
Test Result	: PASS

Tested by:

Checked by:


 Tim Huang
 Toys Testing Manager
 May 03rd 2013


 Lydia Wang
 Chemical Lab Manager
 May 03rd 2013


 Volker Schwarz
 Technical Director
 May 03rd 2013

Other Information / Remark:

Labeled Age Grade: Not present.
Requested Age Grade: 3+.
Tested Age Grade: Over 3 years.

This test report is valid for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.


Eurofins Testing Technology (Shenzhen) Co. Ltd.

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1. ASTM F963-11, Standard Consumer Safety Specification for Toy Safety

Section	Requirement	Result
4	Safety Requirements	
4.1	Material Quality	P
4.2	Flammability	P
4.3	Toxicology	
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Total Lead Content and Migration of Certain Elements (Please refer to details on page 6.)	P
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, and Powders	N/A
4.3.7	Stuffing Materials(Visual Inspection)	N/A
4.3.8	DEHP(DOP)	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	P
4.8	Projections	N/A
4.9	Accessible Points	P
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	N/A
4.13	Folding Mechanisms and Hings	
4.13.1	Folding Mechanisms	N/A
4.13.2	Hing-Line Clearance	N/A
4.14	Cords, Straps, and Elastics	
4.14.1	Cords, Straps, and Elastics in Toys	N/A
4.14.2	Self Retracting Pull Cords	N/A

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Section	Requirement	Result
4.14.3	Pull Toys	N/A
4.14.4	Strings and Lines for Flying Devices	N/A
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	N/A
4.15	Stability and Over-Load Requirements	
4.15.1	Stability of Ride-On Toys and Toy Seats	N/A
4.15.2	Sideways Stability Requirements	N/A
4.15.3	Fore and Aft Stability	N/A
4.15.4	Stability of Stationary Floor Toys	N/A
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	N/A
4.15.6	Wheeled Ride-On Toys	N/A
4.16	Confined Spaces	
4.16.1	Ventilation	N/A
4.16.2	Closures	N/A
4.16.3	Toys that Enclose the Head	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms	
4.18.1	Accessible Clearances for Moveable Segments	N/A
4.18.2	Circular Holes in Rigid Materials	N/A
4.18.3	Chains and Belts	N/A
4.18.4	Inaccessibility of Mechanisms	N/A
4.18.5	Winding Keys	N/A
4.18.6	Coil Springs	N/A
4.19	Simulated Protective Devices(such as helmets, hats, and goggles)	N/A
4.20	Pacifiers	N/A
4.20.1	Pacifiers Nitrosamine Content	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A

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Section	Requirement	Result
4.25	Battery-Operated Toys	N/A
4.25.10	Battery-Powered Ride-On Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials	N/A
4.29.1	Art Materials Toxicity	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
5	Labeling Requirements	
5.1	Federal Government Requirements	N/A
5.2	Age Grading Labeling	N/A
5.3	Safety Labeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By and Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A

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Section	Requirement	Result
5.12	Toy Caps	N/A
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.16	Promotional Materials	P
5.17	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	P
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By a Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Toys in Contact with Food	N/A
7	Producer's Markings	
7.1	Producer's Markings	P
7.2	Battery-Powered Ride-on Toys	N/A
8	Test methods	
8.5	Normal Use Testing	P
8.7.1	Drop Test	P
8.7.2	Tipover Test for Large, Bulky Toys	N/A
8.7.3	Tumble Test for Wheeled Toys	N/A
8.7.4	Impact Test for Toys that Cover the Face	N/A
8.8	Torque Tests for Removal of Components	P
8.9	Tension Test for Removed of Components	P
8.9.1	Tension Test for Seams in Stuffed Toys and Beanbag Type Toys	N/A
8.10	Compression Test	N/A
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	N/A
8.12	Flexure Test	N/A
8.13	Test for Mouth-Actuated Toys	N/A

Note: P = Pass F = Fail N/A = Not Applicable

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2. Material list: (*)

Testing material No.	Component	Material	Colour
1	Screen of kaleidoscope	Plastic	Semi-transparent
2	Cover of kaleidoscope	Paper/printing	White/multicolor
3	Paper card of kaleidoscope	Paper/printing	White/blue

Remark:

* According to the customer's requirement, the appointed materials have been tested.

3. ASTM F963-11 4.3.5.2(a), Total Lead Content in Accessible Component Parts

Test method : CPSC-CH-E1002-08.1
The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 100 mg/kg – according to ASTM F963-11 Standard Consumer Safety Specification for Toy Safety

Detection Limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-1	1	<10
Pb-2	2	<10
Pb-3	3	<10

4. ASTM F963-11 4.3.5.2(b), Migration of Certain Elements in Accessible Component Parts

As per ASTM F963-11, soluble toxic element contents are determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Detection limit : 2.5mg/kg for each of the 8 soluble toxic elements

Test No.	Material No.	Testing element							
		As	Ba	Cd	Cr	Hg	Pb	Sb	Se
		Limit (mg/kg)							
		25	1000	75	60	60	90	60	500
		Test result (mg/kg)							
Heavy Metals-7	1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Heavy Metals-8	2	5.0	5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Heavy Metals-9	3	<2.5	3.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

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5. Total Lead Content (CPSIA)

Test method : CPSC-CH-E1002-08.1
The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : See Note 2.

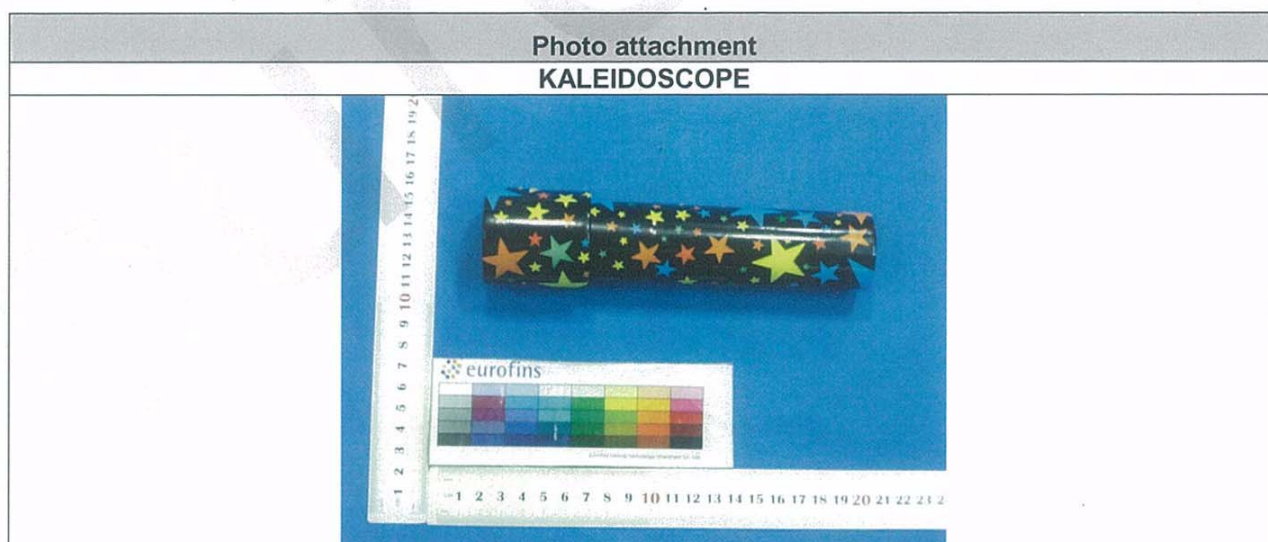
Detection limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-1	1	<10
Pb-2	2	<10
Pb-3	3	<10

Note: 1. < = less than

2. Total lead content according to US Consumer Product Safety Improvement Act 2008 (CPSIA Sec.101):
a) For paint and similar surface coating materials in children's products, the limit for Lead has been changed to 90 ppm from August 14th 2009.

b) For materials other than paints and similar surface coating in children's products, the limit for Lead has been changed to 100 ppm from August 14th 2011.



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