

Test Report

Report No.: SZT10043007740A

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Applicant : CSP INC

Address : 8248 W. ORANGE DR GLENDALE, AZ 85303 USA

Report on the submitted sample said to be:



Sample Name : Spiky Ball with Eyes
Item/Lot No. : 06-819
Buyer : Kids'Korner
Country of Origin : China
Exported to : U.S.A
Client Specified Age Grading : 3+
Labelled Age Grading : Not stated
Age Group Applied in Testing : Over 3 years
Sample Received Date : Apr.30,2010
Resubmitted Sample Date : Jun.02,2010
Sample Tested Date : Apr.30,2010 to Jun.07,2010

TEST REQUEST

CONCLUSION

- | | |
|--|-------------|
| 1) European Regulation(EC) No. 1907/2006, REACH & amendment No.552/2009 Annex XVII
- (Item 23)Cadmium and its compounds(Formerly Known as 91/338/EEC) | PASS |
| 2) ASTM F963-08 Standard Consumer Safety Specification for Toy Safety | PASS |
| 3) US Consumer Products Safety Improvement Act 2008 (CPSIA)
- Lead in surface-coatings and similar materials of children's product | PASS |
| - Lead in substrate materials of children's product | PASS |
| - Phthalates in children's toys and child care articles | PASS |

Test Results: Please refer to next page(s)

Inspected by: , Approved by:  Approved date: 2010-06-09
Engineer Victor wang
Lab Manager



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1) CADMIUM AND ITS COMPOUNDS

As Specified in European Regulation(EC) No. 1907/2006, REACH & amendment No.552/2009 Annex XVII, with Reference to EN1122:2001 Method B or other Appropriate Methods, and Total Cadmium Content was Performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	Result (%)						Limit (%)
	(1)	(2)	(3)	(4)	(5)	(6)	
Cadmium(Cd)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01

Element	Result (%)					Limit (%)
	(7)	(8)	(9)	(10)	(11)	
Cadmium(Cd)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01

Tested Components:

- (1) Black coating
- (2) White coating
- (3) Black glue on PCB(inside)
- (4) Pink soft plastic
- (5) Purple soft plastic
- (6) Blue soft plastic
- (7) Transparent plastic(ball, inside)
- (8) Transparent plastic(LED, inside)
- (9) Brown PCB (inside)
- (10) Green coating on PCB (inside)
- (11) Transparent plastic film(battery, inside)

Remark:

- <= Less than
- %= Percentage based on dry weight of testing sample
- Result(s) shown of tested component(s) (1) and (2) is/are based on resubmitted sample.

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2) ASTM F963 -08

AS SPECIFIED IN ASTM F963-08 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.	Safety Requirements	
4.1	Material Quality (Visual Examination).....	Pass
4.2	Flammability Test.....	Pass (See Note 1)
4.3	Toxicology	
4.3.5	Paint & Similar Surface-coating Material.....	Pass (See Note 2)
4.6	Small Objects.....	N/A
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	Pass
7.	Producers Markings	
7.1	Producers Markings.....	Pass
8.	Test Method	
8.5	Normal Use Testing.....	Pass
8.7	Impact Test	Pass
8.8	Torque Test.....	Pass
8.9	Tension Test.....	Pass

N/A = Not Applicable

Note 1:

Flammability Test (Clause 4.2)

Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
Spiky Ball with Eyes	0.03	0.1

Note:

- Only applicable clauses were shown.

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Note 2 :

TOXIC ELEMENTS CONTENT

Heavy Metals Analysis : Total Lead (Clause 4.3.5.1)

Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	Result(mg/kg)		Limit (mg/kg)
	(1)	(2)	
Total Lead	< 5	< 5	90

Tested Components:

- (1) Black coating
- (2) White coating

Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

Acid Extraction Method was Used in accord with ASTM F963-08 (Clause 8.3) and Toxic Elements Content were Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Remark:

- < = Less than
- mg/kg = Milligram per kilogram based on dry weight of sample
- As received, the test portion of black coating and white coating are less than 10mg, therefore such components were not tested for soluble elements, as specified in ASTM F963-08 Clause 8.3.3.1 (2)
- Result(s) shown of tested component(s) (1) and (2) is/are based on resubmitted sample.

3) US CONSUMER PRODUCTS SAFETY IMPROVEMENT ACT 2008 (CPSIA)

▼ LEAD IN SURFACE-COATING AND SIMILAR MATERIALS OF CHILDREN’S PRODUCT

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA) and Title 16 Part 1303 Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A, Method CPSC-CH-E1003-09 was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

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Element	Result (ppm)		Limit (ppm)
	(1)	(2)	
Total Lead (Pb)	<5	<5	90

Tested Components:

- (1) Black coating
- (2) White coating

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- Result(s) shown of tested component(s) (1) and (2) is/are based on resubmitted sample.

▼ LEAD IN SUBSTRATE MATERIALS OF CHILDREN'S PRODUCT

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Methods CPSC-CH-E1001-08 and CPSC-CH-E1002-08 were Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	Result (ppm)			Limit (ppm)
	(1)	(2)	(3)	
Total Lead (Pb)	<5	<5	<5	300

Tested Components:

- (1) Blue soft plastic
- (2) Pink soft plastic
- (3) Purple soft plastic

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample

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▼ PHTHALATES IN CHILDREN'S TOY AND CHILD CARE ARTICLES

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Method CPSC-CH-C1001-09.3 was Used and phthalates were Determined by Gas Chromatograph with Mass Spectrometer (GC-MS).

Material(s) in toys and childcare articles						
Tested Item	Result (%)					Limit (%)
	(1)	(2)	(3)	(4)	(5)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	<0.003	<0.003	<0.003	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	<0.003	<0.003	<0.003	0.1
Benzylbutyl Phthalate (BBP)	<0.003	<0.003	<0.003	<0.003	<0.003	0.1

Material(s) in toys that can be placed in mouth and childcare articles						
Tested Item	Result (%)					Limit (%)
	(1)	(2)	(3)	(4)	(5)	
Diisononyl Phthalate (DINP)	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	<0.003	<0.003	<0.003	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	<0.005	<0.005	<0.005	<0.005	0.1

Tested Components:

- (1) Black coating
- (2) White coating
- (3) Blue soft plastic
- (4) Pink soft plastic
- (5) Purple soft plastic

Remark:

- < = Less than
- %= Percentage based on dry weight of sample
- Result(s) shown of tested component(s) (1) and (2) is/are based on resubmitted sample.

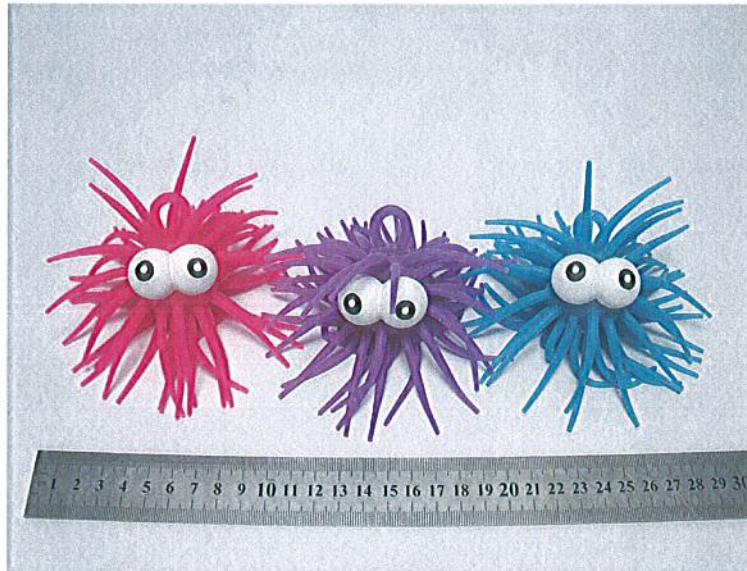
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Photo of the sample



*** End of report **

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