

Test Report

Report No.: TLSZE00046979

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

Report on the submitted sample(s) said to be:

Sample Name : LIGHT - UP BALL
Item/Lot No. : 8-202
Buyer : Kids'Korner
Quantity of Sample : 1 pc
Country of Origin : China
Exported to : USA
Client Specified Age Grading : 3+
Labelled Age Grading : Not stated
Age Group Applied in Testing : Over 3 years
Sample Received Date : May 16, 2012
Sample Resubmission Date : May 28, 2012
Sample Tested Date : May 16, 2012 to May 29, 2012

Test Conducted:

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

Tested by *Andy*

Approved by *Victor Wang*

Victor Wang
Lab Manager



Reviewed by *Richard*

Date 2012-05-31

No. 27485486

Centre Testing International (Shenzhen) Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

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Executive Summary:

TEST REQUEST

- 1) US Consumer Product Safety Improvement Act of 2008 (CPSIA) with amendment (H.R.2715)
 - Lead in surface-coatings and similar materials of children's products
 - Lead in substrate materials of children's products
 - Phthalates in children's toys and child care articles
- 2) ASTM F963-11 Standard Consumer Safety Specification for Toy Safety
 - Mechanical and Physical test
 - Clause 4.2 Flammability of toys
- 3) European Regulation(EC) No. 1907/2006, REACH & amendment No.552/2009 Annex XVII
 - Cadmium and its compounds

CONCLUSION

PASS

PASS

PASS

PASS

PASS

PASS^{#01}

***** For Further Details, Please Refer To the Following Page(s) *****

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1) US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (CPSIA) WITH AMENDMENT (H.R.2715)

▼ Lead in surface-coating and similar materials of children's products

As specified in Consumer Product Safety Improvement Act of 2008 (CPSIA) and 16 CFR Ch.II part 1303 of Consumer Product Safety Commission of U.S.A, method CPSC-CH-E1003-09 was used and total lead content was determined by ICP-OES/AAS.

<u>Tested Item</u>	<u>Result (ppm)</u>	<u>Limit</u>
	Black coating(surface)	(ppm)
Total Lead (Pb)	<5	90

Remark:

- <= Less than
- ppm = parts per million = mg/kg

▼ Lead in substrate materials of children's products

As specified in Consumer Product Safety Improvement Act of 2008 (CPSIA), method(s) CPSC-CH-E1001-08.1/CPSC-CH-E1002-08.1 were used and total lead content was determined by ICP-OES/AAS.

<u>Tested Item</u>	<u>Result (ppm)</u>	<u>Limit</u>
	Transparent soft plastic	(ppm)
Total Lead (Pb)	<5	100

Remark:

- <= Less than
- ppm = parts per million = mg/kg

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▼ Phthalates in children's toys and child care articles

As specified in Consumer Product Safety Improvement Act of 2008 (CPSIA), method CPSC-CH-C1001-09.3 was used and phthalates were determined by gas chromatograph with mass spectrometry (GC-MS).

Tested Item	Result (%)		Limit (%)
	(1)	(2)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	0.1
Benzylbutyl Phthalate (BBP)	<0.003	<0.003	0.1

Tested Item	Result (%)		Limit (%)
	(1)	(2)	
Diisononyl Phthalate (DINP)	<0.005	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	<0.005	0.1

Tested Component(s):

- (1) Transparent soft plastic
- (2) Black coating(surface)

Remark:

- < = Less than
- % = Percentage

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2) ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

▼ Mechanical and Physical test

As specified in ASTM F963-11 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
4.6	Small Objects.....	N/A
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	Pass
4.34	Balls.....	N/A
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:

- Only applicable clause(s) was/were shown.

▼ Clause 4.2 Flammability of toys

As specified in ASTM F963-11 standard consumer safety specification for toy safety.

Flammability Test on Solid

<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
DNI	0.1

-- DNI = Did Not Ignite

Note:

- Only applicable clause(s) was/were shown.

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3) EUROPEAN REGULATION(EC) NO. 1907/2006, REACH & AMENDMENT NO.552/2009
ANNEX XVII

▼ Cadmium and its compounds

As specified in entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & No.494/2011, method BS EN 1122:2001 Method B was used and total Cadmium content was determined by ICP-OES/AAS.

<u>Tested Item</u>	<u>Result (%)</u>		<u>Limit (%)</u>
	(1)	(2)	
Cadmium (Cd)	<0.0005	<0.0005	0.01

Tested Component(s):

- (1) Transparent soft plastic
- (2) Black coating(surface)

Remark:

- < = Less than
- % = Percentage
- ^{#01}: CTI conducted Cadmium on the components which were identified by the client, and the testing results can meet European Regulation(EC) No. 1907/2006, REACH with amendments No.552/2009 & No.494/2011 Annex XVII requirement

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Photo of the sample



*** End of report ***

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