

# Test Report

Report No.: TLSZD00020921

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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 : LIGHT UP TOP  
Item/Lot No. : K04-105  
Buyer : Kids' Korner  
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 : Apr.14, 2011  
Sample Resubmission Date : May.11, 2011  
Sample Tested Date : Apr.14, 2011 to May.12, 2011

**TEST REQUEST**

**CONCLUSION**

- |   |                           |
|---|---------------------------|
| 1) European Regulation(EC) No. 1907/2006, REACH & amendment No.552/2009 Annex XVII<br>- (Item 23) Cadmium and its compounds(Formerly Known as 91/338/EEC) | <b>PASS<sup>#01</sup></b> |
| 2) ASTM F963-08 Standard Consumer Safety Specification for Toy Safety   | <b>PASS</b>               |
| 3) US Consumer Product Safety Improvement Act 2008 (CPSIA)<br>- Lead in surface-coatings and similar materials of children's product                      | <b>N/A</b>                |
| - Lead in substrate materials of children's product   | <b>PASS</b>               |

**N/A = Not Applicable**

**Test Results:** Please refer to next page(s)

Inspected by:   
Engineer

Approved by:   
Victor wang  
Lab Manager

Approved date: 2011-05-12  
No. 27484561



4F, Building F, Hongwei Industrial Zone, Baoan 70 District, Shenzhen, China



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

**▼ 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)     |           |
| Cadmium (Cd) | <0.0005    | <0.0005 | <0.0005 | <0.0005 | 0.01      |

Tested Components:

- (1) Transparent blue plastic
- (2) Transparent green plastic
- (3) Transparent red plastic
- (4) Black plastic(on-off)

Remark:

- <= Less than
- %= Percentage based on dry weight of testing sample
- #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 & amendment No.552/2009 Annex XVII requirement.

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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<br>(See Note 1) |
| 4.3           | Toxicology  |                      |
| 4.3.5         | Paint & Similar Surface-coating Material.....<br>N/A= Not Applicable (as received, there was no paint or similar surface-coating material on the submitted sample, so it is not applicable to the standard's requirement) | N/A                  |
| 4.6           | Small Objects.....  | N/A                  |
| 4.7           | Accessible Edges.....   | Pass                 |
| 4.9           | Accessible Points.....  | Pass                 |
| 4.11          | Nails & Fasteners.....  | Pass                 |
| 4.12          | Packaging Film.....   | 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 1:

#### Flammability Test (Clause 4.2)

#### Flammability Test on Solid

| <u>Sample</u> | <u>Burning Rate (inch/sec)</u> | <u>Limit (inch/sec)</u> |
|---------------|--------------------------------|-------------------------|
| LIGHT UP TOP  | DNI                            | 0.1                     |

-- DNI = Did Not Ignite

### Note:

- Only applicable clauses were shown.



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## 2) US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (CPSIA)

### ▼ LEAD IN SURFACE-COATING AND SIMILAR MATERIALS OF CHILDREN'S PRODUCT....N/A

As Specified in Consumer Product Safety Improvement Act 2008 (CPSIA) and Title 16 Part 1303 Code of Federal Regulations, Chapter II – Consumer Product 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).

**N/A = Not Applicable** (As received, there was no surface-coating and similar materials on the submitted samples.)

### ▼ LEAD IN SUBSTRATE MATERIALS OF CHILDREN'S PRODUCT

As Specified in Consumer Product Safety Improvement Act 2008 (CPSIA), Methods CPSC-CH-E1001-08.1 and CPSC-CH-E1002-08.1 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) | (4) |             |
| Total Lead (Pb) | <5           | <5  | <5  | <5  | 300         |

#### Tested Components:

- (1) Transparent blue plastic
- (2) Transparent green plastic
- (3) Transparent red plastic
- (4) Black plastic(on-off)

#### Remark:

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



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### Photo of the sample



\*\*\* End of report \*\*

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