

**Test Report No.** EFSN13040078C

## Test Report

|   |   |   |   |
|---|---|---|---|
| <b>Applicant</b>  | : CSP INC   |   |   |
| <b>Address</b>  | : 8248 W. ORANGE DR GLENDALE, AZ 85303 USA  |   |   |
| <b>Buyer</b>  | : KIDS'KORNER   |   |   |
| <b>Country of Origin</b>  | : CHINA   |   |   |
| <b>Test Item</b>  | : 1 sample of ring set  |   |   |
| <b>Sample Description</b>   | : PATTERN RINGS   |   |   |
| <b>Style/Model No.</b>  | : K2-309  |   |   |
| <b>Delivery Condition</b>   | : Apparent good, samples tested as received   |   |   |
| <b>Date of Receipt:</b>   | : Apr. 07 <sup>th</sup> 2013  |   |   |
| <b>Test Period</b>  | : Apr. 08 <sup>th</sup> 2013 to Apr. 11 <sup>th</sup> 2013  |   |   |
| <b>Testing Location</b>   | : Shenzhen  |   |   |
| <b>Test Specification</b>   | Total Lead Content – in accordance with ASTM F963-11 Standard Consumer Safety Specification for Toy Safety.<br>: Total Lead Content – according to US Consumer Product Safety Improvement Act 2008 (CPSIA). |   |   |
| <b>Test Result</b>  | : <b>PASS</b>   |   |   |
| <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>Tested by:</p> <p style="text-align: center;"><i>Harry Chen</i></p> <p>Apr. 11<sup>th</sup> 2013                      Harry Chen<br/>Inorganic Team Supervisor</p> </td> <td style="width: 50%;"> <p>Checked by:</p> <p style="text-align: center;"><i>Volker Schwarz</i></p> <p>Apr. 11<sup>th</sup> 2013                      Volker Schwarz<br/>Technical Director</p> </td> </tr> </table> |   | <p>Tested by:</p> <p style="text-align: center;"><i>Harry Chen</i></p> <p>Apr. 11<sup>th</sup> 2013                      Harry Chen<br/>Inorganic Team Supervisor</p> | <p>Checked by:</p> <p style="text-align: center;"><i>Volker Schwarz</i></p> <p>Apr. 11<sup>th</sup> 2013                      Volker Schwarz<br/>Technical Director</p> |
| <p>Tested by:</p> <p style="text-align: center;"><i>Harry Chen</i></p> <p>Apr. 11<sup>th</sup> 2013                      Harry Chen<br/>Inorganic Team Supervisor</p>   | <p>Checked by:</p> <p style="text-align: center;"><i>Volker Schwarz</i></p> <p>Apr. 11<sup>th</sup> 2013                      Volker Schwarz<br/>Technical Director</p>                                     |   |   |
| <b>Other Information / Remark:</b>  |   |   |   |
| According to the customer's requirement, only the appointed materials have been tested.   |   |   |   |
| 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.  |   |   |   |



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**1. Material list**

| Testing material No. | Component       | Material | Colour                                       |
|----------------------|-----------------|----------|--|
| 1                    | Coating on ring | Coating  | Black and golden                             |
| 2                    | Coating on ring | Coating  | Multicolor(colors:silvery, black and orange) |
| 3                    | Coating on ring | Coating  | Multicolor(colors:green, white and yellow)   |
| 4                    | Coating on ring | Coating  | Multicolor(colors:fuchsia, white and blue)   |
| 5                    | Ring            | Plastic  | Transparent                                  |

**2. ASTM F963-11 4.3.5.1(1), Total Lead Content in Paint and Similar Surface-coating Materials**

Test method : CPSC-CH-E1003-09.1  
The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 90 ppm – according to ASTM F963-11 Standard Consumer Safety Specification for Toy Safety

Detection Limit : 10 ppm

| Test No. | Material No. | Test result (ppm) |
|----------|--------------|-------------------|
| Pb-1     | 1            | <10               |
| Pb-2     | 2            | <10               |
| Pb-3     | 3            | <10               |
| Pb-4     | 4            | <10               |

**3. ASTM F963-11 4.3.5.2(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 ppm – according to ASTM F963-11 Standard Consumer Safety Specification for Toy Safety

Detection Limit : 10 ppm

| Test No. | Material No. | Test result (ppm) |
|----------|--------------|-------------------|
| Pb-5     | 5            | <10               |

Note: - < = less than  
- ppm = mg/kg

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**Test Report No. EFSN13040078C**

**4. Total Lead Content (CPSIA)**

Test method : CPSC-CH-E1002-08.1; CPSC-CH-E1003-09.1  
 The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

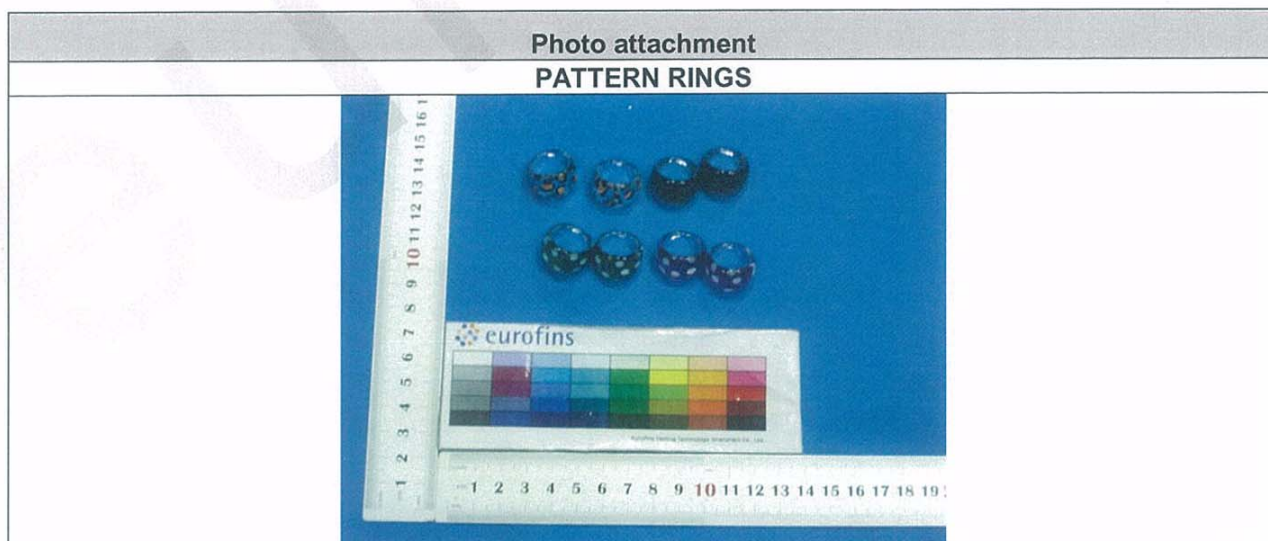
Limit : See Note 2.

Detection limit : 10 ppm

| Test No. | Material No. | Test result (ppm) |
|----------|--------------|-------------------|
| Pb-1     | 1            | <10               |
| Pb-2     | 2            | <10               |
| Pb-3     | 3            | <10               |
| Pb-4     | 4            | <10               |
| Pb-5     | 5            | <10               |

Note: 1. - < = less than  
 - ppm = mg/kg

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 14<sup>th</sup> 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 14<sup>th</sup> 2011.



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