

Test Report

Report No.: TLSZD00020523

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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 : 3-D PUZZLE
Item/Lot No. : K05-116
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.08,2011
Sample Resubmission Date : May.17,2011 / May.23,2011 / May.25,2011
Sample Tested Date : Apr.08,2011 to May.26,2011

TEST REQUEST

CONCLUSION

1) ASTM F963-08 Standard Consumer Safety Specification for Toy Safety

- Mechanical and Physical Test

PASS

- Flammability Test

PASS

2) US Consumer Product Safety Improvement Act 2008 (CPSIA)

- Lead in substrate materials of children's product

PASS^{#01}

3) 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^{#02}

Test Results: Please refer to next page(s)

Inspected by: _____ , Approved by: _____ , Approved date: 2011-05-26

Engineer

Victor wang

No. 27483018

Lab Manager

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

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1) 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)
4.6	Small Objects.....	Pass
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	Pass
5.	Safety Labeling Requirements	
5.3	Safety Labeling Requirements.....	Pass
5.11	Small Objects, Small Balls, Marbles, and Balloons.....	Pass
6.	Instructional Literature	
6.1	Definition and description	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
8.10	Compression Test.....	Pass

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>
3-D PUZZLE	0.01	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 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).

<u>Element</u>	<u>Result</u> (ppm)	<u>Limit</u>
	Flesh flywood(puzzle)	(ppm)
Total Lead (Pb)	<5	300

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- #01 : CTI conducted total lead on the components which were identified by the client, and the testing results can meet CPSIA requirement.

3) 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).

<u>Element</u>	<u>Result</u> (%)	<u>Limit</u>
	Flesh flywood(puzzle)	(%)
Cadmium (Cd)	<0.0005	0.01

Remark:

- < = Less than
- % = Percentage based on dry weight of testing sample
- #02: 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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Photo of the sample



*** End of report ***

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