

# Test Report

Report No.: SZT09050908993

Page 1 of 6

**Client** : CSP INC  
**Address** : PO BOX 1157 GLENDALE AZ.85311

**Report on the submitted sample said to be:**

Sample Description : Sand Creatures  
Item No. : K05-822  
Quantity of Sample : 24 PCS  
Buyer : Kids' Korner  
Country of Origin : Other  
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 : May. 09, 2009  
Resubmitted Sample Date : May. 20, 2009  
Further Information Date : May. 21, 2009  
Sample Tested Date : May. 09, 2009 to May. 23, 2009

**TEST REQUEST**

- 1) ASTM F963-08 Standard Consumer Safety Specification for Toy Safety
- 2) Lead Content Test Requirement of Title 16 Part 1303 Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A
- 3) US Consumer Products Safety Improvement Act 2008 (CPSIA)
  - Lead in surface-coatings and similar materials of children's product
  - Lead in substrate materials of children's product
  - Phthalates in children's toys and child care articles

**CONCLUSION**

PASS  
PASS  
PASS  
PASS  
PASS

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

Inspected by: Maggie  
Engineer

Approved by: Victor wang  
Lab Manager

Approved date: 2009-05-23



Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

# Test Report

Report No.: SZT09050908993

Page 2 of 6

## 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)
4.3	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
4.27	Stuffed & Beanbag-Type Toy.....	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

### 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>
Sand Creatures	0.03	0.1

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

# Test Report

Report No.: SZT09050908993

Page 3 of 6

Note 2 :

**ASTM F963-08 CLAUSE 4.3.5 - PAINT & SIMILAR SURFACE-COATING MATERIAL**

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).

<u>Element</u>	<u>Result(mg/kg)</u>	<u>Limit</u>
	Multi-color similar coating	(mg/kg)
Total Lead	< 5	600

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 multi-color coating is less than 10mg, therefore such components were not tested for soluble elements, as specified in ASTM F963-08 Clause 8.3.3.1 (2)

Note:

- Only applicable clauses were shown.

**2) BAN OF LEAD-CONTAINING PAINT AND CERTAIN CONSUMER PRODUCTS BEARING LEAD-CONTAINING PAINT**

As Specified in Title 16 Part 1303 Code of Federal Regulations, Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

<u>Element</u>	<u>Result(%)</u>	<u>Limit</u>
	Multi-color similar coating	(%)
Total Lead (Pb)	<0.0005	0.060

Remark:

- < = Less than
- % = Percentage based on dry weight of sample

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

# Test Report

Report No.: SZT09050908993

Page 4 of 6

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

Element	Result (ppm)	Required Limit <sup>#1</sup>
	Multi-color similar coating	(ppm)
Total Lead	<5	600

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- <sup>#1</sup> = The total Lead limit for surface coatings and similar materials will be **90ppm** (Effective Date : August 14, 2009)

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

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Acid Digestion Method was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Element	Result (ppm)								Required Limit <sup>#2</sup>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(ppm)
Total Lead	<5	<5	<5	<5	<5	<5	<5	28	600

Tested Components:

- (1) Black fabric(cayman)
- (2) Pink fabric(elephant)
- (3) Yellow fabric(dog)
- (4) Red fabric(dinosaur)
- (5) Green/dk. green fabric with golden thread(snake)
- (6) Yellow/blue fabric(frog)
- (7) Red thread(dinosaur)
- (8) Black plastic(eye)

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

# Test Report

Report No.: SZT09050908993

Page 5 of 6

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- #2 = The total Lead limit for substrate materials will be **300ppm** (Effective Date : August 14, 2009)

▼ **PHTHALATES IN CHILDREN'S TOY AND CHILD CARE ARTICLES**

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA) , Solvent extraction Method 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)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	<0.003	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	<0.003	0.1
Benzylbutyl Phthalate (BBP)	<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)	
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 Components:

- (1) Multi-color similar coating
- (2) Black plastic(eye)
- (3) White plastic(eye, inside)

Remark:

- < = Less than
- % = Percentage based on dry weight of sample

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

## Test Report

Report No.: SZT09050908993

Page 6 of 6

### Photo of the sample



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

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