

Test Report

Report No.: SZT09051109057

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

Report on the submitted sample said to be:

Sample Description : Glitter Hat
Item No. : K09-905
Buyer : Kids' Korner
Quantity of Sample : 2 PCS
Country of Origin : Other
Exported to : U.S.A
Client Specified Age Grading : Over 3 years
Labelled Age Grading : Not stated
Age Group Applied in Testing : Over 3 years
Sample Received Date : May.11, 2009
Further Information Date : May.20, 2009
Sample Tested Date : May.11, 2009 to May.21, 2009

TEST REQUEST

- 1)ASTM F963-08 Standard Consumer Safety Specification for Toy Safety.
 - Physical & Mechanical Test
 - Heavy Metals Test
- 2)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: 2009-05-21



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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
4.3	Toxicology	
4.3.5	Paint & Similar Surface-coating Material.....	Pass (See Note 1)
4.6	Small Objects.....	N/A
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	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

N/A = Not Applicable

Note 1:

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 (mg/kg)</u>
	(1)	(2)	
Total Lead	< 5	< 5	600

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Tested Components:

- (1) Mauve coating
- (2) Purple coating

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).

Elements	Result (mg/kg)		Limit (mg/kg)
	(1)	(2)	
Soluble Antimony (Sb)	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	25
Soluble Barium (Ba)	<5	11	1000
Soluble Cadmium (Cd)	<5	<5	75
Soluble Chromium (Cr)	<2.5	<2.5	60
Soluble Lead (Pb)	<5	<5	90
Soluble Mercury (Hg)	<2.5	<2.5	60
Soluble Selenium (Se)	<5	<5	500

Tested Components:

- (1) Mauve coating(sample weight: 14.0mg)
- (2) Purple coating(sample weight: 27.0mg)

Remark:

- < = Less than
- mg/kg = Milligram per kilogram based on dry weight of sample
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.
- Results shown of soluble elements are of adjusted analytical results by subtracting analytical correction factor
- As per client request, all results are copied from CTI test report SZT09042808279.

Note:

- Only applicable clauses were shown.

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2) 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)		Limit ^{#1} (ppm)
	(1)	(2)	
Total Lead (Pb)	<5	<5	600

Tested Components:

- (1) Mauve coating
- (2) Purple coating

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- ^{#1} = The total Lead limit for surface coatings and similar materials will be **90ppm** (Effective Date : August 14, 2009)
- As per client request, all results are copied from CTI test report SZT09042808279.

▼ 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)										Limit ^{#2} (ppm)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Total Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	600

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Tested Components:

- (1) White fabric(lining, hat)
- (2) White thread
- (3) White net fabric with mauve plastic thread
- (4) White non-woven
- (5) Grey paper
- (6) Grey/white plastic
- (7) Transparent plastic sheet
- (8) White plastic(top, hat)
- (9) Transparent glue(top, hat)
- (10) Purple net fabric with purple plastic thread

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)
- As per client request, all results are copied from CTI test report SZT09042808279.

▼ 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)	(4)	(5)	(6)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	<0.003	0.046	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	<0.003	<0.003	0.1
Benzylbutyl Phthalate (BBP)	<0.003	<0.003	<0.003	<0.003	0.1

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Material(s) in toys that can be placed in mouth and childcare articles					
<u>Tested Item</u>	<u>Result (%)</u>				<u>Limit#</u> (%)
	(1)/(2)/(3)	(4)	(5)	(6)	
Diisononyl Phthalate (DINP)	<0.005	<0.005	<0.005	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	<0.003	<0.003	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	<0.005	<0.005	<0.005	0.1

Tested Components:

- (1) Grey-white plastic
- (2) Transparent plastic sheet
- (3) White plastic(top, hat)
- (4) Transparent glue(top, hat)
- (5) Mauve coating
- (6) Purple coating

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- % = Percentage based on dry weight of sample
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Photo of the sample



*** End of report ***

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