

Test Report

Report No.: TLSZD00022722

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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 : BATH TOY
Item/Lot No. : K04-113
Buyer : Kids' Korner
Country of Origin : CHINA
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.10,2011
Sample Resubmission Date : May.16,2011
Sample Tested Date : May.10,2011 to May.24,2011

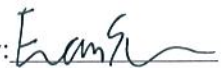

TEST REQUEST

- 1)ASTM F963-08 Standard Consumer Safety Specification for Toy Safety
- 2)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)
- 3)US Consumer Product 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^{#01}
PASS
PASS
PASS^{#02}

Test Results: Please refer to next page(s)

Inspected by:  , Approved by:  Approved date: 2011-05-25
Engineer Victor wang No. 27484206
Lab Manager



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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)
4.3	Toxicology	
4.3.5	Paint & Similar Surface-coating Material.....	Pass ^{#03} (See Note 2)
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:

Flammability Test (Clause 4.2)

Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
BATH TOY	DNI	0.1

-- DNI = Did Not Ignite

Note 2 :

TOXIC ELEMENTS CONTENT

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> (mg/kg)
	(1)	(2)	(3)	(4)	(5)	(6)	
Total Lead	< 5	< 5	18	< 5	22	< 5	90

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



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Tested Components:

- (1) Red coating(bear&lip of dolphin)
- (2) Dk.green coating(bear)
- (3) Blue coating (bear)
- (4) Black coating(bear&dolphin &fish)
- (5) White coating(dolphin&fish)
- (6) Yellow coating(dolphin)

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	<5	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) Dk.green coating(bear) (sample weight:22.7mg)
- (2) Blue coating (bear) (sample weight:21.8mg)

Remark:

- < = Less than
- mg/kg = Milligram per kilogram based on dry weight of sample
- Results shown of soluble elements are of adjusted analytical results by subtracting analytical correction factor
- 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.
- ^{#03} : CTI conducted toxic elements test on the components which were identified by the client, and the testing results can meet ASTM F963-08 requirement.

Note:

- Only applicable clauses were shown.

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2)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)	
Cadmium (Cd)	<0.0005	<0.0005	<0.0005	0.01

Tested Components:

- (1) Red coating(bear&lip of dolphin)
- (2) Dk.green coating(bear)
- (3) Blue coating (bear)

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.

3)US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (CPSIA)

▼ LEAD IN SURFACE-COATING AND SIMILAR MATERIALS OF CHILDREN'S PRODUCT

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).

Element	Result (ppm)						Limit (ppm)
	(1)	(2)	(3)	(4)	(5)	(6)	
Total Lead (Pb)	<5	<5	18	<5	22	<5	90

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Tested Components:

- (1) Red coating(bear&lip of dolphin)
- (2) Dk.green coating(bear)
- (3) Blue coating (bear)
- (4) Black coating(bear&dolphin &fish)
- (5) White coating(dolphin&fish)
- (6) Yellow coating(dolphin)

Remark:

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

▼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)	
Total Lead (Pb)	<5	<5	42	300

Tested Components:

- (1) White plastic(bear)
- (2) Pink plastic(dolphin)
- (3) Yellow plastic(dolphin)

Remark:

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

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▼ PHTHALATES IN CHILDREN'S TOY AND CHILD CARE ARTICLES

As Specified in Consumer Product Safety Improvement Act 2008 (CPSIA), Method CPSC-CH-C1001-09.3 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)	(3)	
Diisononyl Phthalate (DINP)	<0.005	<0.005	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	<0.003	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	<0.005	<0.005	0.1

Tested Components:

- (1) White plastic(bear)
- (2) Pink plastic(dolphin)
- (3) Yellow plastic(dolphin)

Remark:

- < = Less than
- %= Percentage based on dry weight of sample
- #02 : CTI conducted phthalates on the components which were identified by the client, and the testing results can meet CPSIA requirement.

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Photo of the sample



*** End of report ***

This report is considered invalidated without the Special Seal for Inspection of the CTI. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of CTI, this test report shall not be copied except in full and published as advertisement.