

Test Report

Report No.: SZT10051208727

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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 : FOAM SPORTS BALL
Item No. : 04-808
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 : All ages
Sample Received Date : May.12, 2010
Resubmitted Sample Date : May.24, 2010
Sample Tested Date : May.12, 2010 to May.24, 2010

TEST REQUEST

CONCLUSION

1)US Consumer Products Safety Improvement Act 2008 (CPSIA)	
- Lead in surface-coatings and similar materials of children's product	PASS
- Lead in substrate materials of children's product	PASS
- Phthalates in children's toys and child care articles	PASS
2)ASTM F963-08 Standard Consumer Safety Specification for Toy Safety	PASS
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

Test Results: Please refer to next page(s)

Inspected by: Frank Sun, Approved by: Victor wang Approved date: 2010-05-26
Engineer Victor wang
Lab Manager



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1) 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, Method CPSC-CH-E1003-09 was Used and Total Lead Content was Determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

<u>Element</u>	<u>Result (ppm)</u>			<u>Limit (ppm)</u>
	(1)	(2)	(3)	
Total Lead (Pb)	<5	<5	<5	90

Tested Components:

- (1) Black coating(basket ball)
- (2) White coating(brown football)
- (3) Red coating(baseball)

Remark:

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

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▼ LEAD IN SUBSTRATE MATERIALS OF CHILDREN'S PRODUCT

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA), Methods CPSC-CH-E1001-08 and CPSC-CH-E1002-08 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)	(4)	
Total Lead (Pb)	<5	<5	<5	<5	300

Tested Components:

- (1) Orange synthetic leather(basket ball)
- (2) Brown synthetic leather(brown football)
- (3) White synthetic leather(football)
- (4) Black synthetic leather(football)

Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- Result(s) shown of tested component(s) (1) is/are quoted from CTI test report SZT10041606728

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▼ PHthalATES IN CHILDREN'S TOY AND CHILD CARE ARTICLES

As Specified in Consumer Products 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)	(4)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	0.1
Benzylbutyl Phthalate (BBP)	<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)	(4)	
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) Orange synthetic leather(basket ball)
- (2) Brown synthetic leather(brown football)
- (3) White synthetic leather(football)
- (4) Black synthetic leather(football)

Remark:

- < = Less than
- % = Percentage based on dry weight of sample
- # = The limit for the test result is 1/n of the value column (where " n" is the number of mixed samples)

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2) 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.....	Pass
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>
FOAM SPORTS BALL	DNI	0.1

DNI = Did Not Ignite

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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).

Element	Result(mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Total Lead	<5	<5	<5	90

Tested Components:

- (1) Black coating(basket ball)
- (2) White coating(brown football)
- (3) Red coating(baseball)

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)	(3)	
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25
Soluble Barium (Ba)	29	27	50	1000
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Chromium (Cr)	<2.5	<2.5	<2.5	60
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Mercury (Hg)	<2.5	<2.5	<2.5	60
Soluble Selenium (Se)	<5	<5	<5	500

Tested Components:

- (1) Black coating(basket ball)
- (2) White coating(brown football)
- (3) Red coating(baseball)

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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

Note:

- Only applicable clause shown.

3) 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)	(4)	(5)	
Cadmium (Cd)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01

Element	Result (%)				Limit (%)
	(6)	(7)	(8)	(9)	
Cadmium (Cd)	<0.0005	<0.0005	<0.0005	<0.0005	0.01

Tested Components:

- (1) Black coating(basket ball)
- (2) White coating(brown football)
- (3) Red coating(baseball)
- (4) Brown synthetic leather(brown football)
- (5) White synthetic leather(football)
- (6) Black synthetic leather(football)
- (7) Orange synthetic leather(basket ball)
- (8) White wadding(inside)
- (9) White thread

Remark:

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

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Photo of the sample



*** End of report ***

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