

Test Report

Report No.: SZT09050708883

Page 1 of 6

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

Report on the submitted sample said to be:

Sample Name : Sports Kick Ball
Quantity Of Sample : 4 pcs
Item No. : 03-812
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.07, 2009
Further Information Date : May.14, 2009
Sample Tested Date : May.07, 2009 to May.22, 2009

TEST REQUEST

- 1)ASTM F963-08 Standard Consumer Safety Specification for Toy Safety
- 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^{#01}

Test Results: Please refer to next page(s)

Inspected by: Maggie , Approved by: Victor wang Approved date: 2009.05.22
Engineer Victor wang
Lab Manager



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

Test Report

Report No.: SZT09050708883

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 **.....	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
4.34	Balls.....	N/A
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

**Visual Examination

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>
Sports Kick Ball	DNI	0.1

DNI = Did Not Ignite

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).

Test Report

Report No.: SZT09050708883

Page 3 of 6

Element	Result(mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Total Lead	12	40	< 5	600

Tested Components:

- (1) Red coating(baseball)
- (2) Black coating(basketball)
- (3) White coating(Rugby)

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 red coating(baseball), black coating(basketball) and white coating(rugby)are 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) 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)	(3)	
Total Lead	12	40	<5	600

Tested Components:

- (1) Red coating(baseball)
- (2) Black coating(basketball)
- (3) White coating(Rugby)

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

Test Report

Report No.: SZT09050708883

Page 4 of 6

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)

▼ 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)	
Total Lead	<5	<5	<5	<5	600

Tested Components:

- | | |
|--------------------------------|--------------------------------------|
| (1) Brown leather(Rugby) | (3) White leather(baseball,football) |
| (2) Orange leather(basketball) | (4) Black leather(football) |

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)	(4)/(5)/(6)	(7)	
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	<0.003	0.012	0.1
Dibutyl Phthalate (DBP)	<0.003	<0.003	0.040	0.1
Benzylbutyl Phthalate (BBP)	<0.003	<0.003	<0.003	0.1

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

Test Report

Report No.: SZT09050708883

Page 5 of 6

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)	(7)	(%)
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) Red coating(baseball)
- (2) Black coating(basketball)
- (3) White coating(Rugby)
- (4) Brown leather(Rugby)
- (5) Orange leather(basketball)
- (6) White leather(baseball,football)
- (7) Black 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)
- #⁰¹ : CTI conducted phthalates on the components which were identified by the client, and the testing results can meet CPSIA requirement

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

Test Report

Report No.: SZT09050708883

Page 6 of 6

Photo of the sample



*** End of report ***

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