

Test Report

Report No.: SZT09050908992

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

Report on the submitted sample said to be:

Sample Description : Boys Belt
Item No. : K08-903
Quantity of Sample : 9 PCS
Buyer : Kids' Korner
Country of Origin : Others
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 : Jun. 01, 2009
Sample Tested Date : May. 09, 2009 to Jun. 04, 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
Victor wang
Lab Manager

Approved date: 2009-06-04



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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 (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>
Boys Belt	DNI	0.1

DNI = Did Not Ignite

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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> (mg/kg)
	Black coating(buckle)	
Total Lead	63	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).

<u>Elements</u>	<u>Result (mg/kg)</u>	<u>Limit</u> (mg/kg)
	Black coating(buckle) (Sample weight=10.7mg)	
Soluble Antimony (Sb)	<5	60
Soluble Arsenic (As)	<2.5	25
Soluble Barium (Ba)	<5	1000
Soluble Cadmium (Cd)	<5	75
Soluble Chromium (Cr)	<2.5	60
Soluble Lead (Pb)	<5	90
Soluble Mercury (Hg)	<2.5	60
Soluble Selenium (Se)	<5	500

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.

Note:

- Only applicable clauses were shown.

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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>
	Black coating(buckle)	(%)
Total Lead (Pb)	0.0063	0.060

Remark:

- % = Percentage based on dry weight of sample

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).

<u>Element</u>	<u>Result (ppm)</u>	<u>Required Limit ^{#1}</u>
	Black coating(buckle)	(ppm)
Total Lead	63	600

Remark:

- 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)

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▼ 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).

<u>Element</u>	<u>Result (ppm)</u>					<u>Required Limit #2</u> (ppm)
	(1)	(2)	(3)	(4)	(5)	
Total Lead	<5	<5	<5	29	22	600

<u>Element</u>	<u>Result (ppm)</u>					<u>Required Limit #2</u> (ppm)
	(6)	(7)	(8)	(9)	(10)	
Total Lead	24	<5	14	<5	<5	600

Tested Components:

- (1) Beige woven
- (2) White woven with black printing
- (3) Black woven
- (4) Golden electro-plated metal(spider)
- (5) Golden electro-plated metal(motor)
- (6) Silver metal(rivet)
- (7) Silver metal(buckle)
- (8) Black electro-plated metal(skeleton)
- (9) Silver electro-plated metal(rear, belt)
- (10) Golden electro-plated metal(rear, belt)

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)

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▼ 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		
<u>Tested Item</u>	<u>Result (%)</u>	<u>Limit</u>
	Black coating(buckle)	(%)
Di-2-ethylhexyl Phthalate (DEHP)	<0.003	0.1
Dibutyl Phthalate (DBP)	<0.003	0.1
Benzybutyl Phthalate (BBP)	<0.003	0.1

Material(s) in toys that can be placed in mouth and childcare articles		
<u>Tested Item</u>	<u>Result (%)</u>	<u>Limit</u>
	Black coating(buckle)	(%)
Diisononyl Phthalate (DINP)	<0.005	0.1
Di-n-octyl Phthalate (DNOP)	<0.003	0.1
Diisodecyl Phthalate (DIDP)	<0.005	0.1

Remark:

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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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