

Test Report

Report No.: SHT09011000048

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Client : NANTONG GOLDEN PHOENIX TOY MANUFACTURING CO.LTD.
Address : NO. 869 NANYUAN MIDDLE ROAD QIDONG CITY JIANGSU CHINA

Report on the submitted sample said to be:

Sample Name : Butterfly Sweater
Item No. : 30001
Exported to : U.S.A
Labelled Age Grading : Over three
Age Group Applied in Testing : Over 3 years
Sample Received Date : Jan.13, 2009
Further Information Date : Jan.17, 2009
Sample Tested Date : Jan.13, 2009 to Jan.19, 2009

TEST REQUEST

- 1)ASTM F963-07^{e1} Standard Consumer Safety Specification for Toy Safety
- 2)US Consumer Products Safety Improvement Act 2008 (CPSIA)(H.R. 4040)
- Lead Content Test

CONCLUSION

PASS

PASS

Test Results: Please refer to next page(s)

Inspected by: Richard Lau

Engineer

Approved by: Victor wang

Victor wang
Lab Manager

Approved date: 2009-01-19



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ASTM F963 –07^{e1}

AS SPECIFIED IN ASTM F963-07^{e1} 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.....	N/A (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
5.	Safety Labeling Requirements	
5.2	Age Grading Labeling.....	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

**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>
Butterfly Sweater	0.1*	0.1

*Burning rate has been rounded to the nearest one tenth of an inch per second.

Flammability Test on Textile MaterialsN/A

The samples are exempt from 16CFR 1610.1(d)(1):plain surface fabric with weight>2.6oz/sq.yd.

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N/A = Not Applicable

Note 2 :

ASTM F963-07^{e1} 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).

Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

Acid Extraction Method was Used in accord with ASTM F963-07^{e1} (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) White coating(zipper)(Sample weight:10.0mg)
- (2) Black coating(label)

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) LEAD CONTENT TEST

As Specified in Consumer Products Safety Improvement Act 2008 (CPSIA)(H.R. 4040) 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).

1. Lead content in surface coating(s) and similar materials

Element	Result (ppm)		Required Limit ^{#1} (ppm)
	(1)	(2)	
Total Lead	<5	<5	600

2. Lead content in other materials

Element	Result (ppm)											Required Limit ^{#2} (ppm)	
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
Total Lead	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	600

Tested Components:

- (1) Black coating(label)
- (2) White yarn
- (3) Green yarn
- (4) White fabric with multi-color printing(butterfly)
- (5) Purple yarn(butterfly)
- (6) Blue yarn(butterfly)
- (7) White fabric(inside the butterfly)
- (8) White fabric(zipper)
- (9) White plastics(zipper)
- (10) White coating(zipper)
- (11) Silver metal(zipper)
- (12) White thread
- (13) White fabric(label)

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Remark:

- \leq 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)
- #2 = The total Lead limit for other materials will be **300ppm** (Effective Date : August 14, 2009)

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Photo of the sample



*** End of report ***

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