

# Test Report

Report No.: SHT09021000222

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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 Description : Beach Girl  
Item/Lot No. : 20051  
Country of Origin : China  
Exported to : U.S.A  
Labelled Age Grading : Over three  
Age Group Applied in Testing : Over 3 years  
Sample Received Date : Feb.10, 2009  
Sample Tested Date : Feb.10, 2009 to Feb.16, 2009

**TEST REQUEST**

ASTM F963-07<sup>e1</sup> Standard Consumer Safety Specification for Toy Safety

**CONCLUSION**

**PASS**

**Test Results:** Please refer to next page(s)

Inspected by: Maggie , Approved by: Jacky Chan , Approved date: 2009-02-16  
General Manager



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**ASTM F963 – 07**<sup>e1</sup>

AS SPECIFIED IN ASTM F963-07<sup>e1</sup> 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
4.28	Stuffed & Beanbag-Type Toy.....	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>
Beach Girl	0.1*	0.1

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

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## Flammability Test on Textile Materials

Sample	Condition	Burning Time (second)					Classification
		1	2	3	4	5	
Mesh textile	As received	DNI	DNI	DNI	DNI	DNI	Class 1
	After washing	DNI	DNI	DNI	DNI	DNI	Class 1

### Classification:

Class 1: Normal Flammability

DNI = Did Not Ignite

### Note 2 :

### ASTM F963-07<sup>e1</sup> 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).

Element	Result(mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Total Lead	87	< 5	< 5	600

#### Tested Components:

- (1) Black coating(label)
- (2) Multi-color coating(underdress)
- (3) Silver coating(skirt)

#### Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

Acid Extraction Method was Used in accord with ASTM F963-07<sup>e1</sup> (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

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## Tested Components:

- (1) Multi-color coating(underdress)(sample weight:54.7mg)
- (2) Silver coating(skirt)(sample weight:11.2mg)

## Remark:

- $\leq$  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.
- As received, the test portion of black coating(label) is less than 10mg, therefore such components were not tested for soluble elements, as specified in ASTM F963-07<sup>e1</sup> Clause 8.3.3.1 (2)
- As per client request, total lead content of tested component (1) is copied from CTI test report SZT09010800583.

## Note:

- Only applicable clauses were shown.

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## Photo of the sample



\*\*\* End of report \*\*\*

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