

# Test Report

Report No.: SHT09011000073

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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 : Speckle Boxer Shorts  
Item No. : 20106  
Exported to : U.S.A  
Labelled Age Grading : Over three  
Age Group Applied in Testing : Over 3 years  
Sample Received Date : Jan.13, 2009  
Sample Tested Date : Jan.13, 2009 to Jan.16, 2009

**TEST REQUEST**

- 1)ASTM F963-07<sup>e1</sup> 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, Approved by: Victor wang, Approved date: 2009-01-19  
Engineer Victor wang  
Lab 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.....                        | N/A<br>(See Note 1)  |
| 4.3           | Toxicology                                    |                      |
| 4.3.5         | Paint & Similar Surface-coating Material..... | Pass<br>(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 Textile Materials .....N/A

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

N/A = Not Applicable

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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).

| <u>Element</u> | <u>Result(mg/kg)</u> | <u>Limit</u> |
|----------------|----------------------|--------------|
|                | Black coating(label) | (mg/kg)      |
| Total Lead     | < 5                  | 600          |

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).

Remark:

- < = Less than
- mg/kg = Milligram per kilogram based on dry weight of sample
- 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)

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

| <u>Element</u> | <u>Result (ppm)</u> |  | <u>Required Limit<sup>#1</sup></u> |
|----------------|---------------------|--|------------------------------------|
|                | (1)                 |  | (ppm)                              |
| Total Lead     | <5                  |  | 600                                |

### 2. Lead content in other materials

| <u>Element</u> | <u>Result (ppm)</u> |     |     |     |     |     | <u>Required Limit<sup>#2</sup></u> |
|----------------|---------------------|-----|-----|-----|-----|-----|------------------------------------|
|                | (2)                 | (3) | (4) | (5) | (6) | (7) | (ppm)                              |
| Total Lead     | <5                  | <5  | <5  | <5  | <5  | <5  | 600                                |

#### Tested Components:

- (1) Black coating(label)
- (2) Black/white dot fabric
- (3) Black thread
- (4) White elastic belt with black printing
- (5) White thread
- (6) White fabric(label)
- (7) Black ribbon

#### Remark:

- < = Less than
- ppm= parts per million based on dry weight of sample
- <sup>#1</sup> = The total Lead limit for surface coatings and similar materials will be **90ppm** (Effective Date : August 14, 2009)
- <sup>#2</sup> = 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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