

Test Report

Report No.: SHT09011000071

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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 : Easy Rider Biker Outfit
Item/Lot No. : 20095
Exported to : U.S.A
Labelled Age Grading : Over three
Age Group Applied in Testing : Over 3 years
Sample Received Date : Jan.13, 2009
Resubmitted Sample Date : Feb.05, 2009
Sample Tested Date : Jan.13, 2009 to Feb.09, 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: Maggie , Approved by: Jacky Chan , Approved date: 2009-02-09
General Manager



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1) 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..... | 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 |
| 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> |
|-------------------------|--------------------------------|-------------------------|
| Easy Rider Biker Outfit | 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 | |
| Red fabric | As received | 6.97 | 7.04 | 7.18 | 5.35 | 6.27 | Class 1 |
| | After washing | 6.25 | 6.37 | 0.94 | 7.23 | 7.18 | Class 1 |

Classification:

Class 1: Normal Flammability

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).

| <u>Element</u> | <u>Result(mg/kg)</u> | | | <u>Limit</u> (mg/kg) |
|----------------|----------------------|-----|-----|-------------------------|
| | (1) | (2) | (3) | |
| Total Lead | 18 | 28 | < 5 | 600 |

Tested Components:

- (1) Multi-color coating(national flag of USA)
- (2) Multi-color coating(eagle)
- (3) Black coating(label)

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).

| <u>Elements</u> | <u>Result (mg/kg)</u> | | <u>Limit</u> (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(national flag of USA) (Sample weight=14.9mg)
- (2) Multi-color coating(eagle) (Sample weight=31.0mg)

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.
- 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^{e1} Clause 8.3.3.1 (2)

Note:

- Only applicable clauses were shown.

2) US CONSUMER PRODUCTS SAFETY IMPROVEMENT ACT 2008 (CPSIA)(H.R. 4040)

▼ 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) | (3) | |
| Total Lead | 18 | 28 | <5 | 600 |

2. Lead content in other materials

| Element | Result (ppm) | | | | | | | | | Required Limit ^{#2} (ppm) |
|------------|--------------|-----|-----|-----|-----|-----|------|------|------|---------------------------------------|
| | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | |
| Total Lead | <5 | 79 | 80 | 58 | 75 | 57 | <5 | <5 | <5 | 600 |

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Tested Components:

- (1) Multi-color coating(national flag of USA)
- (2) Multi-color coating(eagle)
- (3) Black coating(label)
- (4) Black leather
- (5) Silver metal(button)
- (6) Grey electro-plated metal(zipper head)
- (7) Silver metal(zipper, insert pin)
- (8) Silver metal(zipper, retaining box)
- (9) Silver metal(button of cross straps)
- (10) Red fabric with black printing(red scarf)
- (11) Black thread
- (12) White fabric(label)

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)
- #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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