

Test Report

Report No.: SHT09021000193

Page 1 of 5

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 : 8" Basketball Uniform/ Basketball Uniform
Item/Lot No. : 1130/20028
Country of Origin : China
Exported to : U.S.A
Labelled Age Grading : Over three
Age Group Applied in Testing : All ages
Sample Received Date : Feb.10, 2009
Resubmitted Sample Date : Feb.20, 2009
Sample Tested Date : Feb.10, 2009 to Feb.21, 2009

TEST REQUEST

ASTM F963-07^{e1} Standard Consumer Safety Specification for Toy Safety

Test Results: Please refer to next page(s)

CONCLUSION

PASS

Inspected by: Maggie , Approved by: Jacky Chan , Approved date: 2009-02-21
General Manager



Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

Test Report

Report No.: SHT09021000193

Page 2 of 5

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
4.35	Balls.....	Pass
5.	Safety Labeling Requirements	
5.2	Age Grading Labeling.....	Pass
5.3	Safety Labeling Requirements.....	Pass
5.11	Small Objects, Small Balls, Marbles, and Balloons.....	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>
8" Basketball Uniform/ Basketball Uniform	0.1*	0.1

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

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

Test Report

Report No.: SHT09021000193

Page 3 of 5

Flammability Test on Textile MaterialsN/A

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

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).

<u>Element</u>	<u>Result(mg/kg)</u>				<u>Limit (mg/kg)</u>
	(1)	(2)	(3)	(4)	
Total Lead	< 5	< 5	< 5	< 5	600

Tested Components:

- (1) Black coating
- (2) Black coating(basketball)
- (3) Orange coating with black coating(clothes)
- (4) White coating with red coating(clothes)

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 (mg/kg)</u>
	(1)	(2)	(3)	
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Chromium (Cr)	<2.5	<2.5	<2.5	60
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Mercury (Hg)	<2.5	<2.5	<2.5	60
Soluble Selenium (Se)	<5	<5	<5	500

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

Test Report

Report No.: SHT09021000193

Page 4 of 5

Tested Components:

- (1) Black coating(basketball)(Sample weight:12.9mg)
- (2) Orange coating with black coating(clothes)(Sample weight:13.0mg)
- (3) White coating with red coating(clothes)

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^{e1} Clause 8.3.3.1 (2)

Note:

- Only applicable clauses were shown.

Test Report

Report No.: SHT09021000193

Page 5 of 5

Photo of the sample



*** End of report ***

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