

Test Report

No.: SZTYR090717703/TS

Date: AUG 27, 2009

Page 1 of 5

HAPPY ARTS & CRAFTS (NINGBO) CO., LTD
HAPE INTERNATIONAL (NINGBO) LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,
BEILUN, NINGBO, CHINA P.C. 315800

The following samples were submitted and identified by/on behalf of the client as:

Name of Product/Item : ECO GARTEN SET / ECO GARTEN SET

Details of Sample Received : WOODEN PLAY SET CONTAINS: 1 BASE, 1 DESK WITH UMBRELLA, 2 BAMBOOS, 2 CHAIRS, 1 STOVE, 1 CLIP, 4 CUPS, 2 PLATES, SOME BLOCKS & ACCESSORIES.

Sample Quantity : 2 PCS
Style / Item No. : 821507/897567
Manufacturer : HAPE INTERNATIONAL (NINGBO) LTD
Country of Origin : CHINA
Country of Destination : GLOBAL
Labeled Age Grading : 3-99 YEARS
Requested Age Grading : 3 Y +
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : JUL 13, 2009
Further Information Date : AUG 24, 2009
Testing Period : JUL 13, 2009 TO AUG 26, 2009

TEST REQUESTED : For compliance with the test requirement of ASTM F963-08 Standard Consumer Safety Specification on Toy Safety.

RESULTS : Details please refer to next page.

CONCLUSION : The submitted samples comply with the requested test requirements.

Signed for and on behalf of
SGS-CSTC Ltd.



Zhang Wei, Merry
Section Manager

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Test Report

No.: SZTYR090717703/TS

Date: AUG 27, 2009

Page 2 of 5

ASTM F963 - 08

AS SPECIFIED IN ASTM F963-08 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY.

Table with 3 columns: Clause, Description, Result. Rows include Safety Requirements, Flammability Test, Toxicology, Paint & Similar Surface-coating Material, Small Objects, Accessible Edges, Projections, Accessible Points, Holes, Clearance & Accessibility of Mechanisms, Safety Labeling Requirements, Age Grading Labeling, Safety Labeling Requirements, Small Objects, Small Balls, Marbles, and Balloons, Producer's Markings, Test Method, Normal Use Testing, Impact Test, Torque Test, Tension Test, Compression Test.

**Visual Examination

Note 1:

Flammability Test (Clause 4.2)
Flammability Test on Solid

Table with 3 columns: Sample, Burning Rate (inch/sec), Limit (inch/sec). Row: ECO GARTEN SET / ECO GARTEN SET, 0.03, 0.1

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Test Report

No.: SZTYR090717703/TS

Date: AUG 27, 2009

Page 3 of 5

Note 2 :

Paint & Similar Surface-coating Material (Clause 4.3.5)

ASTM F963-08 - Heavy Metals Analysis : Total Lead (Clause 4.3.5.1)

TOTAL LEAD CONTENT - SAMPLES WERE DIGESTED IN NITRIC ACID (1+1) AND CONCENTRATED HYDROCHLORIC ACID BY MICROWAVE DIGESTION SYSTEM.

ANALYSIS WAS PERFORMED BY ATOMIC ABSORPTION SPECTROMETER.

Specimen Description	Total Pb Result (mg/kg)	Limit* (mg/kg)
1. Transparent lacquer coating on bamboo (Garden set)	< 10	90
2. Orange coating on bamboo (Bottle)	< 10	90
3. Red coating on bamboo (Garden set)	< 10	90
4. Grey (Garden set) w/ red, white (Logo) coating on bamboo	< 10	90
5. Blue coating on bamboo (Cup)	< 10	90
6. Dull blue coating on bamboo (Block)	< 10	90
7. Brown-red coating on bamboo (Block)	< 10	90
8. Yellow-green coating on bamboo (Block)	< 10	90
9. Lt. grey (Knife, fork) w/ Lt. blue (Bottle) coating on bamboo	< 10	90

* The total Pb requirement shall comply with the lead content provisions of 16 CFR 1303, issued under the Consumer Product Safety Act (CPSA) , while according to CPSA requirement the 90mg/kg limit requirement effective 14 August, 2009.

- < = Less than
- Results shown are of the total weight of dry sample.
- Results of specimen No.1-No.5 & No.8 are copied from report No. SZTYR090743674/LP.
- Results of specimen No.6-No.7 & No.9 are copied from report No. SZTYR090743649/LP.

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Test Report

No.: SZTYR090717703/TS

Date: AUG 27, 2009

Page 4 of 5

ASTM F963-08 - Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

SOLUBLE HEAVY METALS CONTENTS - SAMPLES WERE EXTRACTED BY DILUTE HYDROCHLORIC ACID IN ACCORDANCE WITH ASTM F963-08 (CLAUSE 8.3). ANALYSIS WAS PERFORMED BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPECTROMETER.

Element	Pb	Sb	As	Ba	Cd	Cr	Hg	Se	Mass of trace amount (mg)
Soluble Limit (mg/kg)	90	60	25	1000	75	60	60	500	
Specimen Description	Adjusted Soluble Result (mg/kg)								
1. Transparent lacquer coating on bamboo (Garden set)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
2. Orange coating on bamboo (Garden set)	<5	<5	<5	<10	<5	<5	<6.7	<10	58.2
3. Red coating on bamboo (Garden set)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
4. Grey coating on bamboo(Garden set)	<5	<5	<5	<10	<5	<5	<6.7	<10	97.8
5. Blue coating on bamboo (Cup)	<5	<5	<5	11	<5	<5	<6.7	<10	/
6. Dull blue coating on bamboo (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	21.1
7. Brown-red coating on bamboo (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	17.2
8. Yellow-green coating on bamboo (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	66.9
9. Lt. grey coating on bamboo (Knife, fork)	<5	<5	<5	<10	<5	<5	<6.7	<10	63.8
10. Lt. blue coating on bamboo (Bottle)	<5	<5	<5	<10	<5	<5	<6.7	<10	/

- < = Less than
- As received, the test portion of red, white coating on bamboo (Logo) are less than 10mg, therefore such components were not tested for soluble elements, as specified in ASTM F963-08 Clause 8.3.3.1 (2).
- Results of soluble elements shown are of the adjusted analytical results.
- Results of specimen No.1-No.5 & No.8 are copied from report No. SZTYR090717740/TS.
- Results of specimen No.6-No.7 & No.9-No.10 are copied from report No. SZTYR090717704/TS.

N.B. : - Only applicable clauses were shown.

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Test Report

No.: SZTYR090717703/TS

Date: AUG 27, 2009

Page 5 of 5

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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