

Test Report

No.: SZTYR090613900/TS

Date: JUL 08, 2009

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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 : ED NOAH'S ARK / ED ARCHE NOAH

Details of Sample Received : PLAYSET CONTAINS: 1 ASSEMBLY WOODEN BOAT AND SOME ANIMAL-SHAPED WOODEN BLOCKS. PRINTED BOX PACKED.


Sample Quantity : 2 PCS
Style / Item No. : 821369 / 821435
Manufacturer : HAPE INTERNATIONAL (NINGBO) LTD
Country of Origin : CHINA
Country of Destination : GLOBAL
Labeled Age Grading : 3+
Requested Age Grading : 3+
Age Group Applied in Testing : OVER 3 YEARS (AS PER CLIENT'S REQUEST)
Sample Receiving Date : JUN 10, 2009
Further Information Date : JUL 06, 2009
Testing Period : JUN 10, 2009 TO JUL 07, 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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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, Material Quality, Flammability Test, Toxicology, Paint & Similar Surface-coating Material, Small Objects, Accessible Edges, Accessible Points, Holes, Clearance & Accessibility of Mechanisms, Safety Labeling Requirements, Age Grading Labeling, 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: ED NOAH'S ARK / ED ARCHE NOAH, DNI, 0.1

DNI = Did Not Ignite

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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. Lt. yellow coating (Ark)	< 10	600
2. Grass-green coating (Ark)	< 10	600
3. Orange coating (Ark)	< 10	600
4. Cream-yellow coating (Ark)	< 10	600
5. Black coating (Animal, figure)	< 10	600
6. White coating (Animal, figure)	< 10	600
7. Grey coating (Animal, clothes)	28	600
8. Brown-yellow coating (Cow, giraffe, lion, sheep, clothes)	18	600
9. Dull purple coating (Cow, pig)	< 10	600
10. Dk. brown coating (Bear, monkey, lion, giraffe)	< 10	600
11. Lt. red coating (Roof)	< 10	600
12. Dk. sky-blue coating (Figure)	51	600
13. Vivid red with pale pink coating (Clothes, chick)	12	600
14. Transparent lacquer coating (Blocks)	< 10	600

- < = Less than
- Results shown are of the total weight of dry sample.
- Results of specimen No.1-No.3 & No.14 are copied from report No. SZTYR090634453/LP.
- Results of specimen No.5-No.7 are copied from report No. SZTYR090634450/LP.
- Results of specimen No.4 & No.8-No.13 are copied from report No. SZTYR090634452/LP.

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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. Lt. yellow coating (Ark)	<5	<5	<5	213	<5	<5	<6.7	<10	76.6
2. Grass-green coating (Ark)	<5	<5	<5	272	<5	<5	<6.7	<10	/
3. Orange coating (Ark)	<5	<5	<5	119	<5	<5	<6.7	<10	56.3
4. Cream-yellow coating (Ark)	<5	<5	<5	43	<5	<5	<6.7	<10	52.5
5. Black coating (Animal, figure)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
6. White coating (Animal, figure)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
7. Grey coating (Animal, clothes)	<5	<5	<5	86	<5	<5	<6.7	<10	86.0
8. Brown-yellow coating (Cow, giraffe, lion, sheep, clothes)	<5	<5	<5	124	<5	<5	<6.7	<10	37.5
9. Dull purple coating (Cow, pig)	<5	<5	<5	67	<5	<5	<6.7	<10	32.9
10. Dk. brown coating (Bear, monkey, lion, giraffe)	<5	<5	<5	83	<5	<5	<6.7	<10	41.5
11. Lt. red coating (Roof)	<5	<5	<5	39	<5	<5	<6.7	<10	/
12. Dk. sky-blue coating (Figure)	<5	<5	<5	175	<5	<5	<6.7	<10	20.9
13. Vivid red coating (Clothes, chick)	<5	<5	<5	126	<5	<5	<6.7	<10	12.1
14. Transparent lacquer coating (Blocks)	<5	<5	<5	12	<5	<5	<6.7	<10	/

- < = Less than
- As received, the test portion of pale pink coating (Hands) is 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.3 & No.14 are copied from report No. SZTYR090613905/TS.
- Results of specimen No.5-No.7 are copied from report No. SZTYR090613893/TS.
- Results of specimen No.4 & No.8-No.13 are copied from report No. SZTYR090613901/TS.

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

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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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