



Test Report

No.: SZTYR090717699/TS

Date: AUG 20, 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 : E-TRUCK

Details of Sample Received : 2 STYLES ASSORTED BAMBOO VEHICLES WITH FREE WHEELS.

Sample Quantity : 2 PCS
Style / Item No. : 821517 / 897578
Manufacturer : HAPE INTERNATIONAL (NINGBO) LTD.
Country of Origin : CHINA
Country of Destination : GLOBAL
Labeled Age Grading : 3-99 YEARS
Requested Age Grading : 3Y+
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : JUL 13, 2009
Further Information Date : AUG 17, 2009
Testing Period : JUL 13, 2009 TO AUG 20, 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.


Liu Junjie, Tony
Supervisor

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ASTM F963 - 08

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

| <u>Clause</u> | <u>Description</u> | <u>Result</u> |
|---------------|---|---------------|
| 4. | <u>Safety Requirements</u> | |
| 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) |
| 4.7 | Accessible Edges..... | Pass |
| 4.8 | Projections..... | Pass |
| 4.9 | Accessible Points..... | Pass |
| 4.13 | Folding Mechanisms & Hinges..... | N/A |
| | (Remark : Not applicable because of the weight of part link with hinge is less than 0.5lb.) | |
| 4.17 | Wheels, Tires & Axles..... | Pass |
| 5. | <u>Safety Labeling Requirements</u> | |
| 5.2 | Age Grading Labeling..... | Pass |
| 7. | <u>Producer's Markings</u> | |
| 7.1 | Producer's Markings..... | Pass |
| 8. | <u>Test Method</u> | |
| 8.5 | Normal Use Testing..... | Pass |
| 8.7 | Impact Test..... | Pass |
| 8.8 | Torque Test..... | Pass |
| 8.9 | Tension Test..... | Pass |
| 8.10 | Compression Test..... | Pass |

**Visual Examination

Note 1 :

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample
E-TRUCK

Burning Rate (inch/sec)
DNI

Limit (inch/sec)
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. Transparent lacquer coating (Truck) | < 10 | 600 |
| 2. Dk. yellow coating on bamboo (Truck) | < 10 | 600 |
| 3. Blue (truck) w/ red, white (Logo) coating on bamboo | < 10 | 600 |
| 4. White coating on bamboo (Truck) | < 10 | 600 |
| 5. Orange coating on bamboo (Truck) | < 10 | 600 |

- < = Less than
- Results shown are of the total weight of dry sample.
- Results of specimen No.1, No.4 & No.5 are copied from report No. SZTYR090743674/LP.
- Results of specimen No.2 & No.3 are copied from report No. SZTYR090743648/LP.

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 (Truck) | <5 | <5 | <5 | <10 | <5 | <5 | <6.7 | <10 | / |
| 2. Dk. yellow coating on bamboo (Truck) | <5 | <5 | <5 | <10 | <5 | <5 | <6.7 | <10 | / |
| 3. Blue coating on bamboo (Fridge) | <5 | <5 | <5 | <10 | <5 | <5 | <6.7 | <10 | / |
| 4. White coating on bamboo (Truck) | <5 | <5 | <5 | <10 | <5 | <5 | <6.7 | <10 | / |
| 5. Orange coating on bamboo (Truck) | <5 | <5 | <5 | <10 | <5 | <5 | <6.7 | <10 | 58.2 |

- < = Less than
- As received, the test portion of red w/ 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.3 - No.5 are copied from report No. SZTYR090717740/TS.
- Results of specimen No.2 are copied from report No. SZTYR090717700/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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