



Test Report

No.: SZTYR090717707/TS

Date: AUG 21, 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-OFFROADER

Details of Sample Received : BAMBOO CAR WITH FREE WHEELS, PLASTIC PARTS AND TIRES.

Sample Quantity : 2 PCS
Style / Item No. : 821518/897579
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
Resubmitted Packaging Date : AUG 18, 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.



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.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.	<u>Safety Requirements</u>	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test.....	<u>Pass</u> <u>(See Note 1)</u>
4.3	Toxicology	
4.3.5	Paint & Similar Surface-coating Material.....	<u>Pass</u> <u>(See Note 2)</u>
4.7	Accessible Edges.....	<u>Pass</u>
4.8	Projections.....	<u>Pass</u>
4.9	Accessible Points.....	<u>Pass</u>
4.11	Nails & Fasteners.....	<u>Pass</u>
4.17	Wheels, Tires & Axles.....	<u>Pass</u>
4.18	Holes, Clearance & Accessibility of Mechanisms.....	<u>Pass</u>
5.	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling.....	<u>Pass</u>
7.	<u>Producer's Markings</u>	
7.1	Producer's Markings.....	<u>Pass</u>
8.	<u>Test Method</u>	
8.5	Normal Use Testing.....	<u>Pass</u>
8.7	Impact Test.....	<u>Pass</u>
8.8	Torque Test.....	<u>Pass</u>
8.9	Tension Test.....	<u>Pass</u>

**Visual Examination

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>
E-OFFROADER	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. Transparent lacquer coating on bamboo (E-offroader)	< 10	600
2. White coating on bamboo (E-offroader)	< 10	600
3. Red (E-offroader) w/ red, white (Logo) coating on bamboo	< 10	600

- < = Less than
- Results shown are of the total weight of dry sample.
- Results of specimen No.1 & No.2 are copied from report No. SZTYR090743674/LP.
- Result of specimen No.3 is copied from report No. SZTYR090743650/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
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 (E-offroader)	<5	<5	<5	<10	<5	<5	<6.7	<10
2. White coating on bamboo (E-offroader)	<5	<5	<5	<10	<5	<5	<6.7	<10
3. Red coating on bamboo (E-offroader)	<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.3 are copied from report No. SZTYR090717740/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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