

Test Report

No.: SZTYR100203220/TS

Date: FEB 24, 2010

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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 : PUZZLE BUCHSTABEN / NOW I LEARN MY ABC'S PUZZLE

Details of Sample Received : WOODEN PUZZLE SET INCLUDING: 1 CASE & 26 CAPITAL LETTERS WITH PLASTIC KNOB. PRINTED CARD WITH SHRINK FILM PACKED.

Sample Quantity : 2 PCS

Style / Item No. : 861380 / 861280

Manufacturer : HAPE INTERNATIONAL (NINGBO) LTD

Country of Origin : CHINA

Country of Destination : GLOBAL

Labeled Age Grading : 3Y+

Requested Age Grading : 3Y+

Age Group Applied in Testing : OVER 3 YEARS (AS PER CLIENT'S REQUEST)

Sample Receiving Date : FEB 04, 2010

Testing Period : FEB 04, 2010 TO FEB 23, 2010

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 **	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	
4.6.3	Toys and games that are intended for use by children who at least three years old but less than six years old	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
5.	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling	Pass
5.3	Safety Labeling Requirements	Pass
5.11	Small Objects, Small Balls, Marbles, and Balloons	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

**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>
PUZZLE BUCHSTABEN / NOW I LEARN MY ABC'S PUZZLE	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 - CPSC TEST METHOD: CPSC-CH-E1003-09.

Specimen Description	Total Pb Result (mg/kg)	Limit# (mg/kg)
1. White coating on plywood (Body)	< 10	90
2. Red w/ transparent lacquer coating on plywood (Pattern)	< 10	90
3. Black w/ transparent lacquer coating on plywood (Pattern)	34	90
4. Dk. yellow w/ transparent lacquer coating on plywood (Pattern)	< 10	90
5. Lt. yellow w/ transparent lacquer coating on plywood (Pattern)	26	90
6. Green w/ transparent lacquer coating on plywood (Pattern)	69	90
7. Dk. blue w/ transparent lacquer coating on plywood (Pattern)	< 10	90
8. Lt. pink w/ transparent lacquer coating on plywood (Pattern)	< 10	90
9. Pale yellow (Pattern), black (Lettering), brown (Logo), orange (Pattern) w/ transparent lacquer coating on plywood	53	90
10. Dk. green w/ transparent lacquer coating on plywood (Pattern)	< 10	90
11. Lt. blue w/ transparent lacquer coating on plywood (Pattern)	< 10	90
12. Dk. red coating on hardboard (Pattern)	26	90
13. Dull orange coating on hardboard (Pattern)	< 10	90
14. Dull yellow coating on hardboard (Pattern)	< 10	90
15. Dull green coating on hardboard (Pattern)	< 10	90
16. Dull blue coating on hardboard (Pattern)	< 10	90
17. Dk. brown coating on hardboard (Pattern)	< 10	90
18. Grey coating on hardboard (Pattern)	< 10	90
19. Off-white w/ Dk. green, black, Lt. sky-blue coating on hardboard (Pattern)	< 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 of specimen No.1, No.4-No.9 & No.12-No.19 are copied from report No. SZTYR100208402/LP.
- Results of specimen No.2 & No.10 are copied from report No. SZTYR100208405/LP.
- Results of specimen No.3 & No.11 are copied from report No. SZTYR100208403/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. White coating on plywood (Body)	<5	<5	<5	<10	<5	<5	<5	<10	/
2. Red w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	/
3. Black w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	14.4
4. Dk. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	74.8
5. Lt. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	54.8
6. Green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	51.7
7. Dk. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	39.7
8. Lt. pink w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	17.6
9. Pale yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	22.6
10. Dk. green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	29.6
11. Lt. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	/
12. Dk. red coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	46.0
13. Dull orange coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	30.4
14. Dull yellow coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	38.9
15. Dull green coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	35.6
16. Dull blue coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	35.4
17. Dk. brown coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	10.1
18. Grey coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	12.6

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- < = Less than
- As received, the test portion of off-white coating on hardboard (Pattern), Lt. sky-blue coating on hardboard (Pattern), Dk. green, black coating on hardboard (Pattern), black (Lettering), brown (Logo), orange (Pattern) coating on plywood (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.4-No.9 & No.12-No.18 are copied from report No. SZTYR100203221/TS.
- Results of specimen No.2 & No.10 are copied from report No. SZTYR100203234/TS.
- Results of specimen No.3 & No.11 are copied from report No. SZTYR100203226/TS.

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

Sample Photo:



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*** End of Report ***

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