

Test Report

No.: SZTYR100203221/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 CAPTIAL LETTER WITH PLASTIC KNOB. PRINTED CARD & SHRINK FILM PACKED.
 Sample Quantity : 1 PC
 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

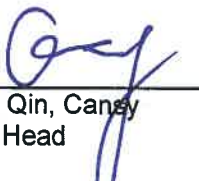
<u>Test Requested</u>	<u>Result</u>
For compliance with the European Standard on Safety of Toys :-	
- EN71 Part 1:2005 +A8:2009 – Mechanical and Physical Properties	<u>Pass</u>
- EN71 Part 2:2006 +A1:2007 – Flammability of Toys	<u>Pass</u>
- EN71 Part 3:1994 +A1:2000 + AC:2002 – Migration of Certain Elements	<u>Pass</u>

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
 SGS-CSTC Ltd.



 Zhang Wei, Merry
 Section Manager
 HOKLAS Approved Signatories



 Ouyang Qin, Candy
 Section Head
 HOKLAS Approved Signatories

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation.

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Results :

European Standard on Safety of Toys

- Mechanical and Physical Properties

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 1: 2005 INCLUDING AMENDMENT 1 APPROVED BY CEN ON 2007-01-10, AMENDMENT 3 APPROVED BY CEN ON 2006-09-07, AMENDMENT 4 APPROVED BY CEN ON 2007-03-13, AMENDMENT 5 APPROVED BY CEN ON 2008-04-18, AMENDMENT 6 APPROVED BY CEN ON 2008-02-05, AMENDMENT 7 APPROVED BY CEN ON 2009-04-30, AMENDMENT 8 APPROVED BY CEN ON 2009-03-01 AND THE CORRIGENDUM ISSUED ON 2006-02-01.

Clause	Description	Result
4	General requirements	
4.1	Material (by visual assessment).....	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass
5	Toys intended for children under 36 months	
5.1	General requirements	See Remark
	(Remark : Wooden puzzle is small part as received. It is acceptable because appropriate age warning was found on the packaging.)	
7	Warnings and instructions for use	
7.1	General Requirements	Pass
7.2	Toys not intended for children under 36 months	Pass

- Flammability of Toys

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2: 2006 INCLUDING CORRIGENDUM 1 ISSUED BY CEN ON 17 MAY 2006 AND AMENDMENT 1 APPROVED BY CEN ON 2007-02-08.

Clause	Description	Result
4.1	General Requirements	Pass

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- Migration of Certain Elements

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 3 : 1994 (INCLUDES AMENDMENT A1:2000 AND AMENDMENT AC:2002) - MIGRATION OF CERTAIN ELEMENTS. 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)								Mass of trace amount (mg)
1. Lt. cream plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	
2. Brown hardboard	<5	<5	<5	12	<5	<5	<6.7	<10	/
3. Yellow plastics (Handle)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
4. White coating on plywood (Body)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
5. Red w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
6. Black w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	14.4
7. Dk. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	74.8
8. Lt. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	54.8
9. Green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	51.7
10. Dk. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	39.7
11. Lt. pink w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	17.6
12. Pale yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	22.6
13. Dk. green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	29.6
14. Lt. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	/

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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)								
15. Dk. red coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	46.0
16. Dull orange coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	30.4
17. Dull yellow coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	38.9
18. Dull green coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	35.6
19. Dull blue coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	35.4
20. Dk. brown coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	10.1
21. Grey coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	12.6

- < = Less than
- Results shown are of the adjusted analytical results.
- Results of specimen No.5 & No.13 are copied from report No. SZTYR100203234/TS.
- Results of specimen No.6 & No.14 are copied from report No. SZTYR100203226/TS.
- 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 migration of certain elements, as specified in the European Standard, EN71 part 3 : 1994, Clause 7 – selection of test portions.

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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