

Test Report

No.: SZTYR100203222/TS

Date: FEB 23, 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

Test Requested

For compliance with the Australian/New Zealand Standard Safety of toys :-

- AS/NZS ISO 8124.1:2002 +Amdt.1:2007 +Amdt.2:2009 – Safety aspects related to Mechanical and Physical Properties
- AS/NZS ISO 8124.2:2009 – Flammability
- AS/NZS ISO 8124.3:2003 – Migration of Certain Elements

Result

Pass
(Except Annex C.4)
Pass
Pass

Signed for and on behalf of
SGS-CSTC Ltd.



Zhang Wei, Mery
Section Manager

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Results :

- Safety aspects related to Mechanical and Physical Properties

As specified in AS/NZS ISO 8124.1:2002, Australian/New Zealand Standard on Safety of toys Part 1: Safety aspects related to mechanical and physical properties (including Amdt.1:2007 and Amdt.2:2009).

Clause Relevant to Sample.

Clause	Description	Result
4	Requirements	
4.1	Normal use.....	<u>Pass</u>
4.2	Reasonably foreseeable abuse.....	<u>Pass</u>
4.3	Material	
4.3.1	Material quality (Visual Examination).....	<u>Pass</u>
4.4	Small parts	
4.4.2	For children from 37 months up to and including 72 months.....	<u>Pass</u>
4.6	Edges	
4.6.4	Edges on moulded toys.....	<u>Pass</u>
4.7	Points	
4.7.1	Accessible sharp points.....	<u>Pass</u>
4.7.3	Wooden toys.....	<u>Pass</u>
5	Test methods	
5.24	Reasonably foreseeable abuse tests	
5.24.2	Drop test.....	<u>Pass</u>
5.24.5	Torque test.....	<u>Pass</u>
5.24.6	Tension test.....	<u>Pass</u>
5.24.7	Compression test.....	<u>Pass</u>

Annex C

C.2	Safety-labeling guidelines	
C.2.1	Label definition and location	<u>Pass</u>
C.2.2	Age grading.....	<u>Pass</u>
C.2.3	Small toys and toys containing small parts.....	<u>Pass</u>
C.4	Manufacturer's Markings	<u>See Remark</u>

(Remark: It is drawn to your attention that a principal component of the toy, the packaging, a label or a leaflet accompanying the toy should be marked with the name and address of the manufacturer or the distributor, or with a trademark and / or mark which clearly identifies the manufacturer / distributor.)

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- Flammability

As specified in AS/NZS ISO 8124.2:2009 Australian/New Zealand Standard on Safety of toys Part 2: Flammability

Clause	Description	Result
4.1	General Requirements	Pass

- Migration of Certain Elements

As specified in AS/NZS ISO 8124.3:2003 Australian/New Zealand Standard on Safety of toys Part 3: Migration of certain elements.

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. cream plywood	<5	<5	<5	<10	<5	<5	<5	<10	/
2. Brown hardboard	<5	<5	<5	12	<5	<5	<5	<10	/
3. Yellow plastics (Handle)	<5	<5	<5	<10	<5	<5	<5	<10	/
4. White coating on plywood (Body)	<5	<5	<5	<10	<5	<5	<5	<10	/
5. Red w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	/
6. Black w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	14.4
7. Dk. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	74.8
8. Lt. yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	54.8
9. Green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	51.7
10. Dk. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	39.7
11. Lt. pink w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	17.6
12. Pale yellow w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	22.6
13. Dk. green w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	29.6
14. Lt. blue w/ transparent lacquer coating on plywood (Pattern)	<5	<5	<5	<10	<5	<5	<5	<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	<5	<10	46.0
16. Dull orange coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	30.4
17. Dull yellow coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	38.9
18. Dull green coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	35.6
19. Dull blue coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	35.4
20. Dk. brown coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	10.1
21. Grey coating on hardboard (Pattern)	<5	<5	<5	<10	<5	<5	<5	<10	12.6

- < = Less than

- Results shown are of the adjusted analytical results.

- Results of specimen No.1-No.4, No.7-No.12 & No.15-No.21 are copied from report No. SZTYR100203221/TS.

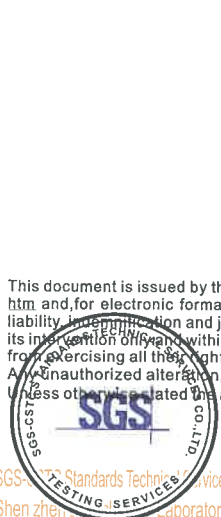
- Results of specimen No.5 & No.13 are copied from report No. SZTYR100203234/TS.

- Results of specimen No.6 & No.14 are copied from report No. SZTYR100203226/TS.

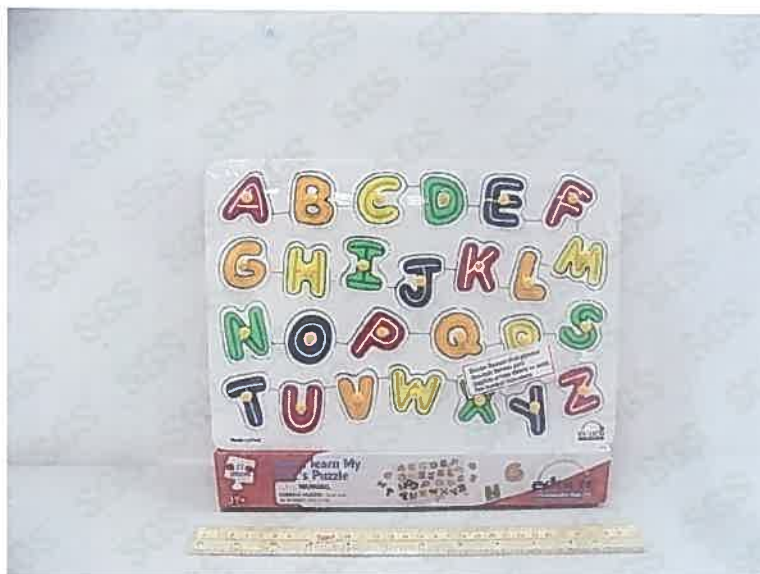
- As received, the test portion of off-white coating on hardboard (Pattern), Lt. sky-blue coating on hardboard (Pattern), Dk. green, black coating on hardboard (Pattern), black (Lettering), brown (Logo), orange (Pattern) coating on plywood (Logo) are less than 10mg, therefore such components were not tested for migration of certain elements, as specified in the Australian/New Zealand Standard on Safety of toys part 3 : 2003, Clause 7 – selection of test portions.

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

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Sample Photo:



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