

Test Report

No.: SZTYR090100682/TS

Date: FEB 10, 2009

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HAPE INTERNATIONAL INC
 HAPE INTERNATIONAL (NINGBO) LTD
 912 ASH STREET, 2ND FLOOR, SHERWOOD PARK,
 ALBERTA, CANADA, T8A 2G1
 9-27NANHAI 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 : CORAL REEF ACTIVITY CENTER
 Details of Sample Received : ASSEMBLY WOODEN TOY WITH PUZZLES, PLASTIC MIRROR,
 METAL BASE AND WIRE, WOODEN AND PLASTIC BEADS, COMES
 WITH AN INSTRUCTION SHEET AND ACCESSORIES. CARTON BOX
 PACKED.

Sample Quantity : 1 PC
 Style / Item No. : 2861200(ED2830)
 Manufacturer : HAPE INTERNATIONAL (NINGBO) LTD.
 Country of Origin : CHINA
 Country of Destination : GLOBAL
 Labeled Age Grading : NOT STATED
 Requested Age Grading : 2Y+
 Age Group Applied in Testing : OVER 2 YEARS
 Sample Receiving Date : JAN 12, 2009
 Further Information Date : FEB 02, 2009
 Testing Period : JAN 12, 2009 TO FEB 10, 2009

<u>Test Requested</u>	<u>Result</u>
For compliance with the Australian/New Zealand Standard Safety of toys :-	
- AS/NZS ISO 8124.1:2002 +Amdt.1:2007 – Safety aspects related to Mechanical and Physical Properties	<u>Pass</u> <u>(Except Annex C.4)</u>
- AS/NZS ISO 8124.2:2003 – Flammability	<u>Pass</u>
- AS/NZS ISO 8124.3:2003 – Migration of Certain Elements	<u>Pass</u>

Signed for and on behalf of
 SGS-CSTC Ltd.



Zhou Xinkuan, SK
 Dept. Manager

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Results :

AS/NZS ISO 8124.1:2002+A1:2007

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).

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	
4.4.1	For children up to and including 36 months.....	<u>Pass</u>
4.6	Edges	
4.6.1	Accessible sharp edges of glass or metal.....	<u>Pass</u>
4.6.3	Edges on metal toys.....	<u>Pass</u>
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>
4.9	Metal wires and rods.....	<u>Pass</u>
4.10	Plastic film or plastic bags in packaging and in toys.....	<u>Pass</u>
4.13	Holes, clearances and accessibility of mechanisms	
4.13.1	Circular holes in rigid materials.....	<u>Pass</u>
4.15	Stability and overload requirements	
4.15.3	Stability of stationary floor toys.....	<u>Pass</u>
5	Test methods	
5.24	Reasonably foreseeable abuse tests	
5.24.3	Tip-over test for large and bulky toys.....	<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>
5.24.8	Flexure test.....	<u>Pass</u>
Annex C		
C.2	Safety-labeling guidelines	
C.2.9	Toys intended to be assembled by an adult.....	<u>Pass</u>
C.3	Instructional literature	
C.3.6	Toys intended to be assembled by an adult.....	<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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AS/NZS ISO 8124.2:2003

As specified in AS/NZS ISO 8124.2:2003 Australian/New Zealand Standard on Safety of toys Part 2: Flammability

Clause	Description	Result
4.1	General Requirements	Pass

AS/NZS ISO 8124.3:2003

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. Blue coating on metal (Hexagon, frame)	<5	<5	<5	149	<5	<5	<6.7	<10	/
2. Dk. blue coating on metal (Screw frame)	<5	<5	<5	40	<5	<5	<6.7	<10	/
3. Green coating on metal (Frame)	<5	<5	<5	24	<5	<5	<6.7	<10	/
4. Orange coating on metal (Frame)	<5	<5	<5	40	<5	<5	<6.7	<10	/
5. Yellow coating on metal (Frame)	<5	<5	<5	27	<5	<5	<6.7	<10	/
6. Red coating on metal (Frame)	<5	<5	<5	30	<5	<5	<6.7	<10	/
7. Red coating on wood (Block on frame)	<5	<5	<5	15	<5	<5	<6.7	<10	/
8. Dk. orange coating on wood (Block on frame)	<5	<5	<5	64	<5	<5	<6.7	<10	/
9. Yellow coating on wood (Block on frame)	<5	<5	<5	33	<5	<5	<6.7	<10	/
10. Dk. green coating on wood (Block on frame)	<5	<5	<5	28	<5	<5	<6.7	<10	/
11. Dk. blue coating on wood (Block on frame)	<5	<5	<5	15	<5	<5	<6.7	<10	/
12. Blue coating on wood (Block of pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
13. Lt. green coating on wood (Block of pattern)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
14. White coating on wood (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
15. Transparent lacquer w/ orange coating on wood (Disk)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
16. Transparent lacquer w/ green coating on wood (Block)	<5	<5	<5	23	<5	<5	<6.7	<10	/
17. Transparent lacquer w/ yellow coating on wood (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
18. Transparent lacquer w/ orange coating on wood (Block)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
19. Transparent lacquer w/ Dk. blue coating on wood (Block)	<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)								
20. Red coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
21. Orange coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
22. Yellow coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
23. Green coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
24. Dk. blue coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
25. Lt. blue coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
26. Black coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	80.5
27. White coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
28. Lt. green coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
29. Cream wood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
30. Cream plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
31. Cream hard board	<5	<5	<5	<10	<5	<5	<6.7	<10	/
32. Orange soft plastics (Fastener)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
33. Black soft plastics (Washer)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
34. Transparent plastics (Disk)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
35. Lt. flesh plastics (Fastener)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
36. Transparent plastic sheet (Mirror)	<5	<5	<5	12	<5	<5	<6.7	<10	/
37. Black soft plastics (Disk)	<5	<5	<5	<10	<5	<5	<6.7	<10	/
38. Sky-blue coating on plywood	<5	<5	<5	<10	<5	<5	<6.7	<10	/
39. Orange plastics (Washer)	<5	<5	<5	<10	<5	<5	<6.7	<10	/

- < = Less than

- Results shown are of the adjusted analytical results.

- Results of specimen 1-39 are copied from report No. SZTYR090100681/TS.

- As received, the test portion of black coating on wood is 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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*** End of Report ***

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