



Test Report

No.: SHTY120500006067

Date: May 17, 2012

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THE FRECKLED FROG
PO BOX 1, KINGSULLE VIC 3012

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : THE HAPPY ARCHITECT

Detail of Sample : 10 WOODEN BLOCKS.

Sample Quantity : 1 PC
Country of Origin : CHINA
Labeled Age Grading : NOT STATED
Requested Age Grading : 3+
Age Group Applied in Testing : 2+YEAR
Sample Receiving Date : MAY 07, 2012
Further Information Date : MAY 11, 2012
Testing Period : MAY 07, 2012 TO MAY 17, 2012

TESTING REQUESTED : For compliance with the ASTM F963-11 Standard Consumer Safety Specification on Toy Safety (As per client's request, exclude Clause 4.2 flammability.)

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.

Wallace Lui
Senior Technical Manager, Asia

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Result Summary:

ASTM F963 – 11

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause Relevant to Sample.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>Safety Requirements</u>	
4.1	Material Quality (Visual Examination)	<u>Pass</u>
4.2	Flammability Test	<u>N/C</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
	4.3.5.1– Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass (See Note 1 & 3)</u>
	4.3.5.2 – Heavy Metal in Substrate Materials	<u>Pass (See Note 2 & 3)</u>
4.6	Small Objects	
4.6.1	Small Objects	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
5	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling	<u>See Remark</u>
	(Remark: The product or package should indicate the minimum age for intended use)	
7	<u>Producer’s Markings</u>	
7.1	Producer’s Markings	<u>Pass</u>
8	<u>Test Methods</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>

N/C = Not conducted as per client’s request

Note 1 :

American Society for Testing and Materials -ASTM F 963-11 - total Lead in paint and similar surface-coating materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>	
Total Lead (Pb)	90	mg/kg	20	ND	ND	

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Note 2:

American Society for Testing and Materials -ASTM F 963-11 - total Lead in Substrate Materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.1. Analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>
Total Lead (Pb)	100	mg/kg	20	ND

Note 3:

American Society for Testing and Materials –ASTM F 963-11 – soluble heavy metal in Substrate Materials/paint and similar surface-coating materials

Test Method : Soluble Heavy Metal contents (Clause 4.3.5) - Sample was extracted by dilute hydrochloric acid in accordance with ASTM F 963-11(Clause 8.3), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>	<u>006</u>
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	11	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

Notes :

- (1) Results shown are of the adjusted analytical results

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Test Part Description :

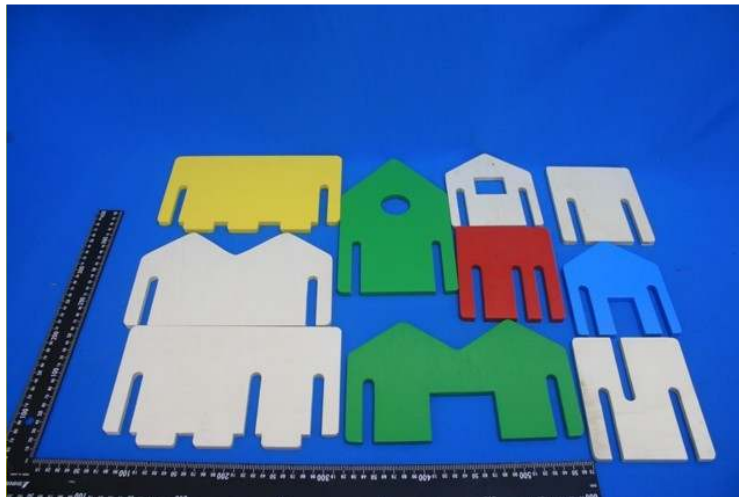
Specimen No.	SGS Sample ID	Description
1	SHA12-074468.001	Green coating
2	SHA12-074468.002	Yellow coating
3	SHA12-074468.003	Red coating
4	SHA12-074468.004	Blue coating
5	SHA12-074468.005	Transparent coating
6	SHA12-074468.006	Natural colored plywood

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

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

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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