

MI TOYS INTERNATIONAL LIMITED  
UNIT 708-709, 7TH FLOOR, TITAN TOWER, NO.535, TIAN TONG SOUTH ROAD, NINGBO, CHINA

THIS REPORT IS SUPPLEMENT TEST REPORT NO.: NBTY201200637, DATE: JUN 25, 2012

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

Sample Description : 3D WOODEN PUZZLE ASSORTMENT

Detail of Sample : 3 STYLES ASSORTED WOODEN PUZZLE, DISPLAY BOX PACKED.

Sample Quantity	: 3 PCS
Style / Item No.	: MT6851A
Supplier	: MI TOYS INTERNATIONAL LIMITED
Country of Origin	: CHINA
Labeled Age Grading	: 6+
Requested Age Grading	: 6+
Age Group Applied in Testing	: 6+ YEARS
Age Group Assessed As Per Age Guideline	: 6+ YEARS
Sample Receiving Date	: MAY 31, 2012
Testing Period	: MAY 31, 2012 TO JUN 25, 2012

#### Test Requested

1. For compliance with the European Standard on Safety of Toys :-  
EN71 Part 1:2011– Mechanical and Physical Properties  
EN71 Part 2:2011– Flammability  
EN71 Part 3:1994 + A1:2000 + AC:2002 – Migration of Certain Elements  
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys
2. Phthalate
3. Cadmium

#### Result

Pass  
Pass  
Pass  
Refer to next pages  
  
Pass  
Pass

Signed for and on behalf of  
SGS-CSTC Ltd.



Wallace Lui  
Senior Technical Manager, Asia

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Results :

1.European Standard on Safety of Toys

**- Mechanical and Physical Properties**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS - EN 71 Part 1:2011

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass
4.22	Small balls	Pass
5	Toys intended for children under 36 months	
5.1	General requirements: (Remark: Wooden blocks are small parts as received. It is acceptable because appropriate age warning was found on the packaging.)	See Remark
7	Warnings, markings and instructions for use	
7.1	General Requirements	Pass
7.2	Toys not intended for children under 36months	Pass

**- Flammability of Toys**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2: 2011

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	Pass

**- Migration of Certain Elements**

Test Method : With reference to EN 71 Part 3:1994 + A1:2000 + AC: 2002, 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	ND	12	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

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**Notes :**

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

**Test Part Description :**

Specimen No.	SGS Sample ID	Description
1	NGB12-008741.001	Deep brown wood
2	NGB12-008741.002	Pale brown wood
3	NGB12-008741.003	Natural wood
4	NGB12-008741.004	Dark orange wood
5	NGB12-008741.005	Beige wood
6	NGB12-008741.006	Transparent coating

**Remarks :**

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

**- Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys**

**Summary table:**

	Observation Result	Location
CE mark	Present	Packaging
Importer's Name & Address	Absent	/
Manufacturer's Name & Address	Absent	/
Product ID	Present	Packaging

**Note:**

- CE marking should be visible from outside the packaging and its height must be at least 5mm.
- Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

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

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**2.Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)**

Test Method : With reference to ASTM D 3421-75, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>
<b>1. For all toys and childcare articles</b>				
Dibutyl Phthalate (DBP)	-	%	0.003	ND
Benzylbutyl Phthalate (BBP)	-	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	-	%	0.003	ND
Total (DBP+BBP+DEHP)	0.1	%	-	ND
<b>2. For toys and childcare articles that can be mouthed</b>				
Diisononyl Phthalate (DINP)	-	%	0.010	ND
Di-n-octyl Phthalate (DNOP)	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	-	%	0.010	ND
Total (DINP+DNOP+DIDP)	0.1	%	-	ND

Notes :

(1) European Parliament adopted new phthalate Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC);

(1-1) DBP, BBP and DEHP are totally banned for use in any toys on childcare articles where their concentration exceeds 0.1% by mass.

(1-2) DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

**3.Commission Regulation (EU) No 494/2011 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006)-Cadmium (Cd)**

Test Method : With reference to EN 1122: 2001 Method B, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>
Cadmium (Cd)	1000	mg/kg	5	ND

Test Part Description :

<b>Specimen No.</b>	<b>SGS Sample ID</b>	<b>Description</b>
1	NGB12-008741.006	Transparent coating

Remarks :

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

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### Sample Photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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