

**Test Report** No.: 2772060-TL-02 Date: May 15, 2012 Page 1 of 8

Imagination Playground C/O Rockwell Group 5 Union Square West 8<sup>th</sup> Floor New York, NY 10003 United States

The following sample(s) was/were submitted and identified by the client as:

Sample Description: Blue Foam Building Blocks

Packaging: Not Provided Instructions for Use / Not Provided

Assembly:

Product Identification N/A

Number:

Date Code: N/A

Manufacturer: Imagination Playground

Country of Origin: N/A

Labeled Age Grading: 2 – 12 years

Requested Age: N/A SGS Assessed Age: 2+ years

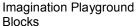
(based on CR 14379/

ASTM F963)

Date Sample(s) May 7, 2012

Received:

Testing Period: May 10 – 15, 2012





Test Requested: Result:

1 cot i toque o to u i	1100011
Safety of Toys – EN 71-1:2011	Pass
Flammability – EN 71-2:2011	Pass
European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments –	Pass
Cadmium content (Formerly Directive 91/338/EEC)	
EN 71 Part 3:1994 + A1:2000/AC:2002 -	Pass
Migration of Certain Elements	
European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments –	Pass
Phthalates content (Formerly Directive 2005/84/EC)	
Diisobutyl phthalate (DIBP) content	

### Comments:

1) No packaging was provided with the sample. No label checks were performed during this test.

Signed for and on Behalf of SGS North America, Inc.

Chris Gulbrandsen, Technical Report Writer

Toy Testing Lab

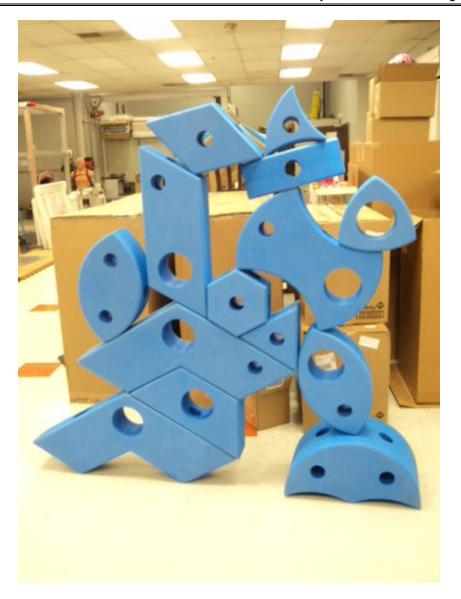
Ali Karimi, Technical Manager
Toy Testing Lab

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Consumer Testing Services 291 Fairfield Avenue, Fairfield, NJ 07004 t (973) 575-5252 f (973) 575-8271 www.sgs.com



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### **Chemical Analysis:**

# 1) European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content

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

Test Item	Result (%)	Detection	Permissible
1 est item	1	Limit (%)	Limit (%)
Cadmium (Cd)	ND	0.0005	0.01
Comment	PASS		

## Sample Description:

1. Blue Foam Block

Note: 1. % = percentage by weight

2. ND = Not Detected

Permissible Limit specified by 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 and directive 91/338/EC)

# 2) EN 71 Part 3:1994 + A1:2000/AC:2002 - Migration of Certain Elements

Method: With reference to EN 71 Part 3:1994 + A1:2000/AC:2002. Analysis was performed by Inductively Coupled Argon Plasma – Optical Emission Spectrometry.

Test Item		Result (mg/kg) 1	Detection Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Lead	(Pb)	ND	5	90
Soluble Antimony	(Sb)	ND	5	60
Soluble Arsenic	(As)	ND	2	25
Soluble Barium	(Ba)	ND	10	1000
Soluble Cadmium	(Cd)	ND	5	75
Soluble Chromium	(Cr)	ND	5	60
Soluble Mercury	(Hg)	ND	5	60
Soluble Selenium	(Se)	ND	10	500
Comment		PASS		

## Sample Description:

1. Blue Foam Block

Note: 1. mg/kg = milligram per kilogram

2. ND = Not Detected

3. Results shown are of the adjusted analytical result

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SGS North America Inc.



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# 3) European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Phthalate content

Method: With reference to CPSC-CH-C1001-09.3. Analysis was performed by Gas Chromatography / Mass Spectrometry

mass spectromet	J -	1		1
Test Item		Result (%)	Detection	Permissible
rest item		1	Limit (%)	Limit (%)
Dibutyl Phthalate	(DBP)	ND	0.015	
Benzylbutyl Phthalate	(BBP)	ND	0.015	
Bis-(2-ethylhexyl) Phthalate	(DEHP)	ND	0.015	
DBP + BBP + DEHP		ND		0.1
Diisononyl Phthalate	(DINP)	ND	0.015	
Di-n-octyl Phthalate	(DNOP)	ND	0.015	
Diisodecyl Phthalate	(DIDP)	ND	0.015	
DINP + DNOP + DIDP		ND		0.1
Comment		PASS		

# Sample Description:

Blue Foam Block

Note: 1. % = percentage by weight

2. ND = Not Detected

3. < = less than

### 4) Diisobutyl phthalate (DIBP) content

Method: With reference to CPSC-CH-C1001-09.3. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Test Item		Result (%)	Detection Limit (%)
Diisobutyl phthalate	(DIBP)	ND	0.015

# Sample Description:

1. Blue Foam Block

Note: 1. % = percentage by weight

2. ND = Not Detected



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EN 71-1:2011

Sample I.D.: Blue Foam Building Blocks

Age Label on Product: 2 – 12 years Age Applied in Testing: 2+ years

**Specification for Mechanical and Physical Properties** 

	cation for Mechanical and Physical Properties				
Section	Test	Pass	Fail	N/A	Not Performed
4	General Requirements	1	ı		
4.1	Material	Х			
4.2	Assembly			Х	
4.3	Toys with Flexible Plastic Sheeting			Х	
4.4	Toy Bags			Х	
4.5	Glass			Х	
4.6	Expanding Materials			Х	
4.7	Edges			Х	
4.8	Points and Wires			Х	
4.9	Protruding Parts			Х	
4.10	Parts Moving Against Each Other		1		•
4.10.1	Folding and Sliding Mechanisms			Х	
4.10.2	Driving Mechanisms			Х	
4.10.3	Hinges			Х	
4.10.4	Springs			Х	
4.11	Mouth Actuated Toys and Toys Intended to Be Put in the			Х	
	Mouth				
4.12	Balloons			Х	
4.13	Cords on Toy Kites and Other Flying Toys			Х	
4.14	Enclosures				
4.14.1	Toys Which a Child Can Enter			Х	
4.14.2	Masks and Helmets			Х	
4.15	Toys Intended To Bear The Mass Of A Child		•		
4.15.1	Toys Propelled By the Child or By Other Means			Х	
4.15.2	Toy Bicycles			Х	
4.15.3	Rocking Horses and Similar Toys			Х	
4.15.4	Toys Not Propelled by a Child			Х	
4.15.5	Toy Scooters			Х	
4.16	Heavy Immobile Toys			Х	
4.17	Projectiles			Х	
4.18	Aquatic Toys			Х	
4.19				Х	
	Toys Using Percussion Caps				
4.20	Acoustics			Х	
4.21	Toys Containing a Heat Source			Х	
4.22	Small Balls			Х	
4.23	Magnets			Х	
4.24	Yo-Yo Balls			X	
4.25	Toys Attached to Food			Х	



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Section	Test	Pass	Fail	N/A	Not
					Performed
5	Toys Intended For Children Under 36 Months				
5.1	General Requirements	Х			
5.2	Soft-Filled Toys and Soft-Filled Parts of a Toy			Х	
5.3	Plastic Sheeting			Х	
5.4	Cords, Chains, and Electrical Cables			Х	
5.5	Liquid Filled Toys			X	
5.6	Speed Limitation of Electrically Driven Toys			Х	
5.7	Glass and Porcelain			Х	
5.8	Shape and Size of Certain Toys			X	
5.9	Toys Comprising Monofilament Fibers			X	
5.10	Small Balls			X	
5.11	Play Figures			Х	
5.12	Hemispheric-Shaped Toys			X	
5.13	Suction Cups			X	
5.14	Straps Intended to be Worn Fully or Partially Around the Neck			X	
6	Packaging			Х	
7	Warnings, Markings, And Instructions For Use				
7.0	CE Marking				X-1
7.1	General Requirements			Х	
7.2	Toys Not Intended for Children Under 36 Months			X	
7.3	Latex Balloons			Χ	
7.4	Aquatic Toys			Χ	
7.5	Functional Toys			X	
7.6	Hazardous Sharp Functional Edges and Points			Х	
7.7	Projectiles			Х	
7.8	Imitations Protective Masks and Helmets			Х	
7.9	Toy Kites			X	
7.10	Roller Skates, Inline Skates, and Toy Skateboards			X	
7.11	Toys Intended to be Strung Across a Cradle, Cot, or Perambulator			X	
7.12	Liquid-Filled Teethers			Х	
7.13	Percussion Caps Specifically Designed for Use in Toys			Х	
7.14	Acoustics			Х	
7.15	Toy Bicycles			Х	
7.16	Toys Intended to Bear the Mass of a Child			Х	
7.17	Toys Comprising of Monofilament Fibers			Х	
7.18	Toy Scooters			Х	
7.19	Rocking Horses and Similar Toys			Х	
7.20	Magnetic/Electrical Experimental Sets			Х	
7.21	Toys with Electrical Cables Exceeding 300mm in Length			Х	
7.22	Toys with Cords or Chains Intended for Children of 18 months and Over by Under 26 months			Х	



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8.0	Test Methods			
8.2, 8.3,	Torque / Tension Test	X		
& 8.4				
8.5, 8.6,	Drop Test / Tip Over Test / Impact test	Х		
& 8.7				

## Notes:

1) This clause was not performed because no packaging or labeling was submitted for evaluation.

<u>Conclusion:</u> When tested as specified, the submitted sample **does comply** with the requirements of EN 71-1:2011.



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# Flammability as per EN 71-2:2011

Sample I.D.: Blue Foam Building Blocks

**Age Label on Product**: 2 – 12 years **Age Applied in Testing**: 2+ years

Observations	Results		
A. Cellulose Nitrate			
	Pass	Fail	N/A
i) Bright Orange Flame	Х		
ii) Very Dense Smoke	Х		
iii) Acidic Odor	Х		
-			
B. Surface Flash On Pile Fabrics			Х
C. Flammable Solids	X		
C. Flammable Liquid			X
C. Flammable Gel			Х
C. Flammable Gas			Х

Summary of EN71-2:2011 Test Results:					
Clause	Description	Result	Appendix		
4.1	General Requirements	Pass	A,B		

#### Conclusion:

The submitted sample does comply with Flammability as per EN 71-2:2011.

\*\*\*End Of Report\*\*\*