



Test Report

NO.: ZTS0909175468L

Date: Sep 17, 2012

Page 1 of 5

Customer:

Address:

Report on the submitted sample said to be

Sample name: Blue Geometric Solids with Box

Model:

Item/Lot No. : /

Material:

Buyer: /

Supplier: /

Manufacturer: /

Country of Origin: /

Country of Destination: /

Labelled Age Grading:

Sample received date: Sep 14, 2012

Testing period: From Sep 14, 2012 to Sep 17, 2012

Testing Requested

For compliance with the European Standard on Safety of Toys:

-EN71-1:2005+A4:2007+A6:2008 - Mechanical and physical properties

-EN 71-2:2006+A1:2007- Flammability

-EN 71-3:1994+A1:2000 /AC: 2002- Migration of certain elements

Conclusion

-EN 71-1: The submitted sample complied with the requirement.

-EN 71-2: The submitted sample complied with the requirement.

-EN 71-3: The submitted sample complied with the requirement.

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Approved by

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Results:**Part 1 : Mechanical and physical properties**

<u>Section</u>	<u>Description</u>	<u>Result</u>
4	GENERAL REQUIREMENTS	
4.1	Material.....	Pass
4.2	Assembly.....	NA
4.3	Flexible plastics sheeting.....	Pass
4.4	Toy bags.....	NA
4.5	Glass.....	NA
4.6	Expanding materials.....	NA
4.7	Edges.....	Pass See 7.6
4.8	Points and Wires.....	Pass See 7.6
4.9	Protruding parts.....	Pass
4.10	Parts moving against each other.....	
4.10.1	Folding and sliding mechanisms.....	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges.....	NA
4.10.4	Springs.....	NA
4.11	Mouth-actuated toys.....	NA
4.12	Balloons.....	NA
4.13	Cords of toy kites and other flying toys.....	NA
4.14	Enclosures.....	NA
4.15	Toys intended to bear the mass of a child.....	NA
4.16	Heavy immobile toys.....	NA
4.17	Projectiles.....	NA
4.18	Aquatic toys.....	NA
4.19	Percussion caps specifically designed for use in toys.....	NA
4.20	Acoustics.....	NA
4.21	Toys containing a heat source.....	NA
4.22	Small balls.....	NA
5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS.....	
5.1	General requirements.....	Pass
5.2	Filling materials.....	NA
5.3	Plastic sheeting.....	NA
5.4	Cords on toys.....	NA
5.5	Liquid-filled toys.....	NA

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5.6	Speed limitation of electrically driven toys.....	NA
5.7	Glass and porcelain.....	NA
5.8	Shape and size of certain toys.....	NA
5.9	Toys comprising monofilament fibres.....	NA
5.10	Small balls.....	NA
5.11	Play figures.....	NA
5.12	Hemispheric-shaped toys.....	NA
<u>Section</u>	<u>Description</u>	<u>Result</u>
7	WARNING AND INSTRUCTIONS FOR USE	
7.1	General Remark: Toy must be accompanied by appropriate, clearly legible warnings in order to reduce inherent risks in their use. The manufacturer or his authorized representative or the importer into the community shall in a visible, easily legible and indelible form affix his name and/or mark and address on the toy or on its packaging together with the CE marking as declaration of presumption of conformity with the essential safety requirements of the above directive.	Pass

<u>Section</u>	<u>Description</u>	<u>Result</u>
8	Test Methods	
8.3	Torque Test	Pass
8.4	Tension Test	Pass
8.5	Drop Test	Pass
8.7	Impact Test	Pass
8.8	Compression Test	Pass

Part 2 : Flammability

<u>Section</u>	<u>Description</u>	<u>Result</u>
4	REQUIREMENTS	
4.1	General	Pass See Note

Note:

4.1 The following materials shall not be used in the manufacture of toys:

Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid. Specific materials to which the test flame is applied in order to check compliance of the toy with requirements in 4.2 to 4.5 are considered to comply with this requirement if the toy meets its appropriate requirements in 4.2 to 4.5;

Materials with a piled surface which produce surface flash on the approach of a flame. Piled surfaces showing no momentary area of flame over the area of the piled surface remote from the test flame are considered to meet this requirement;

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Flammable liquids with a viscosity greater than $260 \times 10^{-6} \text{m}^2/\text{s}$ corresponding to a flow time of more than 38 s when determined in accordance with EN ISO 2431 using cup No. 6;

Highly flammable liquids contained in toys covered in EN 71-5.

NOTE: Different legal requirements may exist in non-EU countries.

Part 3: Migration of certain elements

Analysis was performed by inductively coupled plasma atomic emission spectrometer.

Soluble Element	Cadmium (Cd)	Lead (Pb)	Chromium (Cr)	Mercury (Hg)	Antimony (Sb)	Barium (Ba)	Arsenic (As)	Selenium (Se)
Limit	75	90	60	60	60	1000	25	500
Code	Specimen's testing result							
A	<5	<5	<5	<5	<5	<5	<5	<5
B	<5	<5	<5	<5	<5	<5	<5	<5
C	<5	<5	<5	<5	<5	<5	<5	<5

Note:

- Specimen Description

Code	Specimen Name	Specimen Material
A	Product material:Basswood	Wood
B	varnishes	Paint
C	transparent varnishes	Paint

- unit: mg/kg=ppm, <=Less than.
- Results shown are of the adjusted analytical results.
- Photo is included.

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Photograph of sample



The name of product: **Blue Geometric Solids with Box**

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