



Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH01206702

Applicant: CARTAMUNDI TURNHOUT NV
VISBEEKSTRAAT 22
2300 TURNHOUT
BELGIUM

Date: Aug 26, 2011

Attn: LUDO VAN GOETHEM

Sample Description:

Ten (10) pieces of submitted sample said to be :

Item Name : **Nonsense Foam**
Reference No. : 3A01990
Labelled Age Group : Not specified
Packaging Provided : No
Manufacturer : Sansd (Fujian) Plastic Co., Ltd
Buyer : Helene Haest
Country of Origin : China

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

For and on behalf of :
Intertek Testing Services HK Ltd.

Karen S.C. Ng
General Manager





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Conclusion:

Tested samples
Submitted samples

Standard
EN71-1 : 2011 for mechanical and physical properties
excluding labelling requirement of clause 7.1

Result
Pass

EN71-2 : 2011 for Flammability test

Pass

Tested components of
submitted samples

EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002
for toxic elements test

Pass

Cadmium content requirement in Annex XVII Item 23 of
the REACH Regulation (EC) no. 1907/2006 &
amendment no.552/2009 (formerly known as Directive
91/338/EEC)

Pass

Phthalates content requirement in Annex XVII Items 51 &
52 of the REACH Regulation (EC) no. 1907/2006 &
amendment no. 552/2009 (formerly known as Directive
2005/84/EC)

Pass

Formamide content

See details enclosed

Benzene content requirement in Annex XVII item 5 of the
REACH Regulation (EC) No. 1907/2006 & amendment
No. 552/2009 (formerly known as Directive 82/806/EEC)

Pass

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Tests Conducted

1 Mechanical and Physical Test

As per European Standard on Safety of toys EN71-1 : 2011.

Applicant's specified age group for testing : Ages over 8 years.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4*	General requirements	P
5*	Toys intended for children under 36 months	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	#

Remark : P = Pass NA = Not Applicable

* = The following subclauses of Clause 4 / Clause 4 and 5 (note) of the standard were applicable : -

- 1) 4.1 Material cleanliness.
- 2) 4.7 Edges.
- 3) 4.8 Points and metallic wires.

= No packaging was submitted for testing. Hence, clause 7.1 General requirement for Warnings, markings and instructions for use was not assessed.

Remark : Below are additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements :

Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys shall also bear the CE-marking.

After checking all the above markings were not found on the toy.

Date sample received : Aug 16, 2011 and Aug 24, 2011

Testing period : Aug 16, 2011 to Aug 25, 2011



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Tests Conducted

2 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Remark : P = Pass NA = Not applicable

Date sample received : Aug 16, 2011
Testing period : Aug 16, 2011 to Aug 23, 2011

3 Toxic Elements Analysis

As per European Standard on Safety of toys EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002, acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result in mg/kg</u>		<u>Limit mg/kg</u>
	<u>(1)</u>	<u>(2)</u>	
Sol. Barium (Ba)	6	6	1000
Sol. Lead (Pb)	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	75
Sol. Antimony (Sb)	<5	<5	60
Sol. Selenium (Se)	<5	<5	500
Sol. Chromium (Cr)	<5	<5	60
Sol. Mercury (Hg)	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	25

Sol. = Soluble
< = Less than
mg/kg = milligram per kilogram

Tested Components :

- (1) Black printed foam.
- (2) Pink foam.

Date sample received : Aug 16, 2011
Testing period : Aug 16, 2011 to Aug 20, 2011



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Tests Conducted

4 Cadmium (Cd) Content

As per Cadmium content requirement in Annex XVII Item 23 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 91/338/EEC), acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Result : Less than 0.0005%

Limit : 0.01%

Tested Component : Pink foam with black coating.

Date sample received : Aug 16, 2011

Testing period : Aug 16, 2011 to Aug 20, 2011

5 Phthalate Content Test

With reference to EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>		<u>Limit (% w/w)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	0.1

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and children articles.

< = Less than

Tested components :

- (1) Black coating on foam.
- (2) Pink foam excluding coating.

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Testing period : Aug 16, 2011 to Aug 24, 2011





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6 Formamide Content

By solvent extraction, followed by Gas Chromatographic – Mass Spectrometric (GC-MS) analysis.

Result : 5ppm

Remark : ppm = parts per million = mg/kg

Tested Component : Pink foam.

Date sample received : Aug 16, 2011

Testing period : Aug 16, 2011 to Aug 24, 2011

7 Benzene Content

By Head Space Gas Chromatographic - Mass Spectrometric (HS GC-MS) analysis.

Result : Less than 0.5 ppm

Requirement : 5 ppm (max.)

Remark : ppm = parts per million = mg/kg

Tested Component : Pink foam with black coating.

Date sample received : Aug 16, 2011

Testing period : Aug 16, 2011 to Aug 24, 2011

End of report

