

Test Report

No. 2230032/TY

Date : Mar 25 2009

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HOPSTECH INDUSTRIES LIMITED
 ROOM 1411, BLK. A,
 HOI LUEN IND. CENTRE,
 55 HOI YUEN ROAD, KWUN TONG,
 KOWLOON, HONG KONG

The following samples were submitted and identified on behalf of the client as
QUIZMO ANSWER UNIT

Detail of Sample: **PLASTIC CONTROLLER WITH LCD SCREEN, FLASHING LIGHT & SOUND FUNCTION, OPERATED BY 2 "AAA" BATTERIES (INCLUDED). CLAMSHELL WITH INSERTED CARD PACKED.**

Sample Quantity : 2 PCS
 Style/Item No. : 28030
 Buyer : INFINITOY, INC.
 Manufacturer : HOPSTECH INDUSTRIES LTD.
 Country of Origin : CHINA
 Country of Destination : USA / EUROPE
 Labeled Age Grading : FOR AGES 7 & UP
 Requested Age Grading : FOR AGES 6 & UP
 Age Group Applied in Testing : OVER 3 YEARS
 Sample Receiving Date : MAR 06, 2009
 Further Information Date : MAR 24, 2009
 Testing Period : MAR 06, 2009 TO MAR 24, 2009

Test Requested

For compliance with the European Standard on Safety of Toys :-

- EN71 Part 1:2005 + A6:2008 – Mechanical and Physical Properties
- EN71 Part 2:2006 + A1:2007 – Flammability of Toys
- EN71 Part 3:1994 + A1:2000/AC:2002 – Migration of Certain Elements

Result

Pass
Pass
Pass

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

Signed for and on behalf of
 SGS Hong Kong Ltd



S Y Leung
 Senior Technical Development Manager
 HOKLAS Approved Signatory



Chau Wing Yee, Miranda
 Laboratory Executive
 HOKLAS Approved Signatory

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Results:

European Standard on Safety of Toys

Mechanical & Physical Properties

As specified in European standard on safety of toys EN71 Part 1:2005 + A6:2008

<u>Clause</u>	<u>Description</u>	<u>Results</u>
4	General requirements	
4.1	Material (by visual assessment)	<u>Pass</u>
4.5	Glass (Inaccessible glass screen was found in the submitted sample.)	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.10	Parts moving against each other :	
	4.10.4 Springs (Inaccessible spring was found in the submitted sample.)	<u>Pass</u>
4.20	Acoustics (Remark: With modification by using sound level meter complying with the specifications of IEC 60651 and IEC 60804.)	<u>Pass</u>
5	Toys intended for children under 36 months	
5.1	General requirements: (Remark : No small part was found before and after abuse test.)	<u>See Remark</u>
7	Warnings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the toy is sold.)	
7.1	General Requirements	<u>Pass</u>
7.2	Toys not intended for children under 36 months	<u>Not Applicable</u>

- Flammability of Toys

As specified in European standard on safety of toys EN71 PART 2: 2006 + A1:2007.

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

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- Migration of Certain Element

As specified in European standard on safety of toys EN71 PART 3 : 1994 + A1:2000/AC:2002 – Migration of certain element were performed by Atomic Absorption or Inductively Coupled Argon Plasma Spectrometry.

Element	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	Limit
Soluble Lead (Pb)	< 5	< 5	< 5	< 5	90 mg/kg
Soluble Antimony (Sb)	< 5	< 5	< 5	< 5	60 mg/kg
Soluble Arsenic (As)	< 5	< 5	< 5	< 5	25 mg/kg
Soluble Barium (Ba)	< 10	< 10	< 10	< 10	1000 mg/kg
Soluble Cadmium (Cd)	< 5	< 5	< 5	< 5	75 mg/kg
Soluble Chromium (Cr)	< 5	< 5	< 5	< 5	60 mg/kg
Soluble Mercury (Hg)	< 6.7	< 6.7	< 6.7	< 6.7	60 mg/kg
Soluble Selenium (Se)	< 10	< 10	< 10	< 10	500 mg/kg

1. Purple Rubber (Button)
2. Purple Plastic (Button)
3. Translucent Green Plastic (Body)
4. Transparent Plastic (Screen)

Remark : Insufficient test portion of the following components was present on the received samples(s), therefore such components were not tested for migration of certain elements, as specified in the European Standard, EN71 part 3 : 1994+ A1:2000/AC:2002, Clause 7 – selection of test portions.

Description	Mass (mg)
1. White Coating (Button & Body)	< 10
2. Black Coating (Button & Body)	< 10
3. Purple Coating (Button & Body)	< 10
4. White Coating on Rubber (Button)	< 10

- N.B. : - < = Less than
 - Result shown are of the adjusted analytical result.
 - Only applicable clauses were shown.

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