

## Test Report

No. 2230034/TY

Date : Apr 07 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 : 5 PCS  
Style/Item No. : 28030  
Buyer : INFINITOY, INC  
Manufacturer : HOPSTECH INDUSTRIES LIMITED  
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  
Testing Period : MAR 06, 2009 TO APR 06, 2009

### TESTING REQUESTED :

For compliance with the Physical & Mechanical, Flammability, Total Lead & Heavy Metal and Battery Operated Toys test requirements of ASTM F963-07<sup>E1</sup> Standard Consumer Safety Specification on Toy Safety.

### RESULTS :

Details please refer to next page.

### CONCLUSION :

The submitted samples comply with the requested test requirements.

Remark : The test results of Total Lead Content are extracted from the report No. 2230037/TY where the sample are claimed to be identical.

Signed for and on behalf of  
SGS Hong Kong Ltd



Lee Chi Fai, Tom  
Senior Lab Manager

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Results :

ASTM F963 – 07<sup>e1</sup>

AS SPECIFIED IN ASTM F963-07<sup>e1</sup> STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause Relevant to Sample.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.0	<u>Safety Requirements</u>	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass (See Note 1)</u>
4.3.5	Paint & Similar Surface-coating Material	<u>Pass (See Note 2)</u>
4.5	Sound-Producing Toys	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.25	Battery-Operated Toys	<u>Pass</u>
5.0	<u>Safety Labelling Requirements</u>	
5.2	Age Grading Labeling	<u>Pass</u>
6.0	<u>Instructional Literature</u>	
6.6	Battery-Operated Toys	<u>Pass</u>
7.0	<u>Producers Markings</u>	
7.1	Producers Markings	<u>Pass</u>
8.0	<u>Test Methods</u>	
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>

\*\* Visual Examination

Note 1 :

Flammability Test (Clause 4.2)  
Flammability Test on Solid

Sample  
QUIZMO ANSWER UNIT

Burning Rate (inch/sec)  
DNI

Requirement : A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

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Note 2 :

Paint & Similar Surface-coating Material (Clause 4.3.5.)

ASTM F963-07<sup>e1</sup> – Heavy Metals Analysis : Total Lead (Clause 4.3.5.1)

TOTAL LEAD CONTENT – SAMPLES WERE DIGESTED IN NITRIC ACID (1+1) AND CONCENTRATED HYDROCHLORIC ACID BY MICROWAVE DIGESTION SYSTEM. ANALYSIS WAS PERFORMED BY ATOMIC ABSORPTION OR INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>Element</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>Limit</u>
Total Lead (Pb)	< 20	< 20	< 20	< 20	600 mg/kg

(Results shown are of the total weight of dry sample)

1. White Coating (Button & Body)
2. Black Coating (Body)
3. Purple Coating (Body)
4. White Coating on Rubber (Button)

< = Less than

ASTM F963-07<sup>e1</sup> – Heavy Metals Analysis : Soluble Heavy Metal (Clause 4.3.5.2)

Remark : Insufficient test portion of the following components was present on the received samples(s), therefore such components were not tested for soluble heavy metal, as specified in the ASTM F963-07<sup>e1</sup> clause 8.3.3 – Preparation of test samples.

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

Note : - < = Less than

N.B. : - Only applicable clauses were shown



SGS authenticate the photo on original report only

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

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