



Test Report

NO.: ASZ09041701401

Date: May 13, 2009

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Customer: GUANGZHOU JIYUE INTERNATIONAL TRADING CO., LTD

Address: Room 802, No.560 South Building, Dongjiaobei Road, Liwan, Guangzhou, China

Report on the submitted sample said to be

Sample name: See Specimen Description

Model: /

Item/Lot No. : /

Material: /

Buyer: /

Supplier: /

Manufacturer: /

Country of Origin: /

Country of Destination: /

Labelled Age Grading: 3 years and up

Sample received date: Apr 17, 2009

Testing period: From Apr 17, 2009 to May 13, 2009

Testing Requested:

(1): ASTM Standard Consumer Safety Specification on Toy Safety F 963-07

- ASTM F 963-07: Physical & Mechanical Tests

- ASTM F 963-07: Flammability Tests

- ASTM F 963-07: Heavy Metal Content

(2): As specified by client, to determine DEHP(DOP)、DBP、BBP、DINP、DNOP and DIDP content in the submitted samples in accordance with Consumer Product Safety Improvement Act of 2008 (H.R. 4040) section 108--Prohibition on sale of certain products containing specified phthalates.

(3): As specified by client, to determine the Lead content in the submitted sample in accordance with Consumer Product Safety Improvement Act of 2008 (H.R. 4040) section 101--Prohibition on sale of certain products containing lead.

Conclusion: The submitted sample complied with the requirement.

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

Signed for AOV Ltd.

Written by

Inspected by

Approved by

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Results:

- Mechanical and physical hazards

Ref: ASTM F 963-07 Section 4;5;6;7 and 8

Section	Description	Result
4.1	Material Quality	Pass
4.3	Toxicology	See Heavy metals analysis Test Result
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling Remark: Toys that are subject to any of the requirements of this specification should be labeled to indicate the minimum age for intended use or have such labeling on any retail packaging.	See Remark
7	Producer's Markings	
7.1	Name and Address of the Producer or Distributor Remark: Either a principal component of a toy or the package of a toy shall be marked with the name and address of producer or the distributor. In the case of toys sold in bulk, such as jacks or marbles, only the container need be marked. All of these markings shall be legible and so positioned as to be seen easily by the customer and shall resist normal use conditions. Toys may carry a code that will enable the producer to identify model changes except for toys comprising many loose components, in which case the container may be so coded.	See Remark
8	Test Methods	
8.5	Normal Use Testing	Pass
8.7	Impact Tests	Pass
8.8	Torque Tests for Removal of Components	Pass
8.9	Tension Test for Removal of Components	Pass

- Flammability of materials other than textiles

Ref: ASTM F 963-07 Section 4.2

Method used: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44

Requirement: The burn rate shall not exceed 0.1in. per second.

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Result: The sample did not ignite in 5 seconds.

Red sample's burn speed is 0.03 in./s

Yellow sample's burn speed is 0.04 in./s

- Heavy metals analysis

Ref: ASTM F 963-07 Section 4.3.5 and CPSA 16CFR 1303

Determined by: ICP-OES

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-1	<5	<5	<5	<5	<5	<5	<5	<5
B-1	<5	<5	<5	<5	<5	<5	<5	<5

phthalate content

Test method: EPA 3540C, GC-MS

Item	Unit	MQL	Limit	A**	B**	C
Di-iso-nonyl phthalate (DINP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	mg/kg	10	1000	N.D.	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP) (DOP)	mg/kg	10	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP)	mg/kg	10	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	10	1000	N.D.	N.D.	N.D.

Total lead content

Test method: EPA 3050B, ICP-OES

(A): Total lead content in surface coating

Element	Unit	MQL	Limit	A-1	B-1
Total lead	mg/kg	2	600*	N.D.	N.D.

Note:

-* The limit is 90ppm, after Aug 14, 2009

(B): Total lead content in substrate material

Element	Unit	MQL	Limit	A-2	B-2	C
Total lead	mg/kg	2	600#	N.D.	N.D.	2.3

Note:

-# The limit is 600ppm, after Feb 10, 2009

The limit is 300ppm, after Aug 14, 2009

The limit is 100ppm, after Aug 14, 2011

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Note:

- Specimen Description

Code	Specimen Name
A**	Silicone wristband with printed logo
A-1	Yellow printing ink
A-2	Red bangle
B**	Color filled silicone wristband
B-1	Yellow printing ink
B-2	Red bangle
C	Debossed silicone wristband(yellow)

- unit: mg/kg=ppm, <=Less than.

- Results of Heavy metals analysis shown are of the adjusted analytical results.

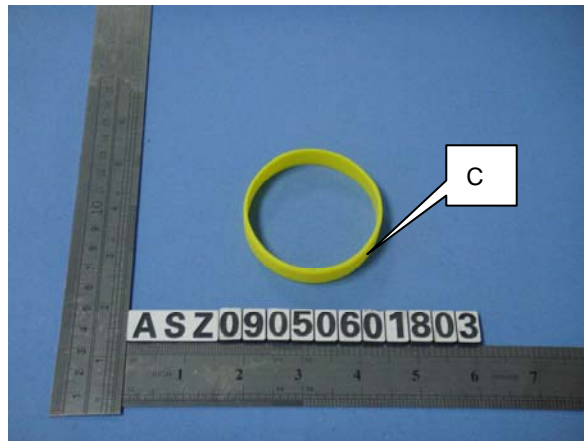
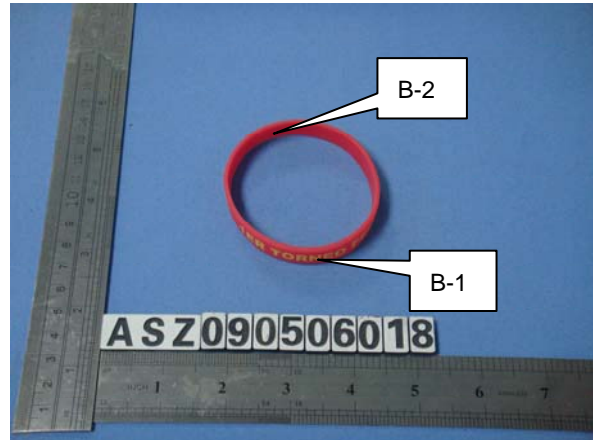
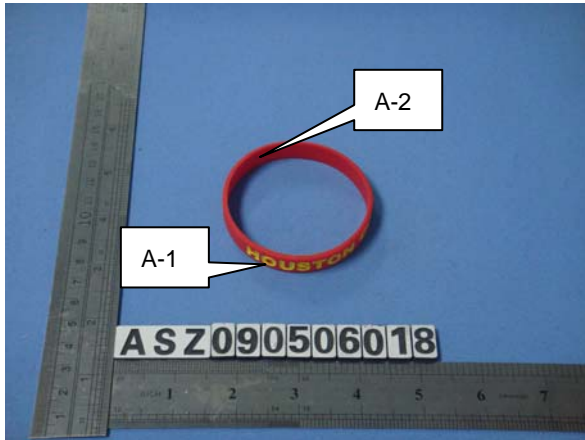
- Result of Heavy metals analysis refer to test report ASZ09041701301

-**The admixture of specimen A, specimen B is tested as a whole (part) which according to the applicant's request, the result of report as a average value because of the whole specimen is regarded as constituting from the homogeneous material. The testing of specimen A, specimen B may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.

- Photo is included.

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Photographs of samples



End of Report

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