



TEST REPORT

NO.: AKS0911063301K

Date: Nov 12, 2009

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Customer: Artistic Toy Mfg. Inc.

Address: 1405 South Albert St. Allentown, PA 18103 USA

Report on the submitted sample said to be

Sample name: 5"FRIGO CHEESE HEAD KEY CHAIN

Model: /

Item/Lot No.: PO 16175

Material: YELLOW FABRIC

Buyer: Artistic Toy Mfg. Inc.

Supplier: CHINA NINGBO CIXI IM & EX. CORP.

Manufacturer: NINGBO JINFAN TOY CO., LTD

Country of Origin: CHINA

Country of Destination: USA

Labeled Age Grading: ALL AGES

Sample received date: Nov 06, 2009

Testing period: From Nov 06, 2009 to Nov 12, 2009

Testing Requested:

-ASTM Standard Consumer Safety Specification on Toy Safety F 963-08

ASTM F 963-08: Physical & Mechanical Tests

ASTM F 963-08: Flammability Tests

ASTM F 963-08: Heavy Metal Content

-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.

-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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Test Results:

1) - Mechanical and physical hazards

Ref: ASTM F 963-08 Section 4;5;6;7 and 8

Section	Description	Result
4	Safety requirements	
4.1	Material Quality	Pass
4.2	Flammability	See Flammability Test Result
4.3	Toxicology	See Heavy metals analysis Test Result
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
5	Safety Labeling Requirements	
5.1	Federal Government Requirements Remark: All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.	See Remark
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	Pass
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

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-Flammability of materials other than textiles

Ref: ASTM F 963-08 Section 4.2

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

Requirement: The burn rate of all samples is greater than 0.1 in./s but less than 0.15 in./s, accept and consider further investigation for action to improve performance.

Result : The burn rate of the sample is 0.03in./s.

- Heavy metals analysis

Test method: ASTM F 963-08 Section 8.3

Test instrument: 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 results							
A	<5	<5	<5	<5	<5	<5	<5	<5
B	<5	<5	<5	<5	<5	<5	<5	<5
C	<5	<5	<5	<5	<5	10.9	<5	<5
D	<5	<5	<5	<5	<5	<5	<5	<5
E	<5	<5	<5	<5	<5	<5	<5	<5
F	<5	<5	<5	<5	<5	<5	<5	<5
G	<5	<5	<5	<5	<5	<5	<5	<5
H	<5	<5	<5	<5	<5	<5	<5	<5
I	<5	<5	<5	<5	<5	<5	<5	<5

- Phthalate content

Test method: ASTM D3421-75

Test instrument: GC-MS

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



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Item	Unit	MQL	Limit	E	F	G	H	I
Di-iso-nonyl phthalate (DINP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP) (DOP)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.

- Total lead content

Test method: US EPA 3050B: 1996

Test instrument: ICP-OES

Total lead content in substrate material

Element	Unit	MQL	Limit	A	B	C	D	E
Total lead	mg/kg	2	300*	N.D.	N.D.	N.D.	N.D.	N.D.

Element	Unit	MQL	Limit	F	G	H	I
Total lead	mg/kg	2	300*	N.D.	N.D.	N.D.	N.D.

Note:

The limit is 300ppm, after Aug 14, 2009

The limit is 100ppm, after Aug 14, 2011

Specimen Description:

Code	Specimen Name
A	Yellow flannel
B	Red flannel
C	White flannel
D	Metal ring
E	Black thread
F	Blue thread
G	White thread
H	Orange thread
I	Mauve thread

Note:

- Unit: mg/kg=ppm, <=Less than.
- Specimens, which requested to determine Lead Content, have been dissolved completely.
- N.D. =Not Detected (<MQL)
- MQL=Method Quantitation Limit
- Results of soluble element shown are of the adjusted analytical results.

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- Photo is included.

Photograph of Sample



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End of Report