



## Test Report

NO.: AKS0904130601K

Date: Apr 16, 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:** 8"BROWN KIRBY BEAR

**Model:** /

**Item/Lot No. :** JF00920

**Material:** BROWN PLUSH

**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

**Labelled Age Grading:** ALL AGES

**Sample received date:** Apr 13, 2009

**Testing period:** From Apr 13, 2009 to Apr 16, 2009

**Testing Requested:**

-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

- 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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**Shenzhen AOV Testing Technology Co., Ltd.**

2-6/F, No.5, Yuantou Lane, Tanglang, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

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## Results:

### 1) - Mechanical and physical hazards

Ref: ASTM F 963-07 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
4.28	Stuffed and Beanbag-Type Toys	Pass
5	Safety Labeling Requirements 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. Age Grading Labeling	
5.1		See Remark
5.2	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
6	Instructional Literature Definition and Description Remark: Information and instructions that are provided for the safe use or assembly, or both, of a toy, whether on the package or in leaflet form, shall be	
6.1	easy to read understand by persons of the age level for whom the instructions and information are intended, including, if appropriate, children for whom the toy is intended. All such literature shall be shown in the English language at a minimum.	See remark

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7	Producer's Markings 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.	See Remark
7.1	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.	
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

### - 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 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 0.12 in./s.

### - Heavy metals analysis

Test method: ASTM F 963-07 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 result							
A	<5	<5	<5	<5	<5	<5	<5	<5
B	<5	<5	<5	<5	<5	<5	<5	<5
C	<5	<5	<5	<5	<5	<5	<5	<5
D	<5	<5	<5	<5	<5	<5	<5	<5
E	<5	<5	<5	<5	<5	<5	<5	<5

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## - Phthalate content

Test method: ASTM D3421-75

Test instrument: 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.

Item	Unit	MQL	Limit	D	E
Di-iso-nonyl phthalate (DINP)	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	mg/kg	10	1000	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP) (DOP)	mg/kg	10	1000	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	50	1000	N.D.	N.D.
Butylbenzyl phthalate (BBP)	mg/kg	10	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	10	1000	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
Total lead	mg/kg	2	600*	N.D.	N.D.	N.D.

Element	Unit	MQL	Limit	D	E
Total lead	mg/kg	2	600*	N.D.	N.D.

### 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

### Specimen Description:

A: Body B: Eyes C: Feet D: Nose E: Vibrissae

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**Note:**

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

**Photograph of Sample**

8" BROWN KIRBY BEAR

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

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