



**BUREAU  
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

**THE BAUHINIA LTD.**

**Technical Report:** (5208)023-1326  
Date Received: February 18, 2008

February 26, 2008  
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TONY CHENG  
THE BAUHINIA LTD.  
UNIT 707-8 MIRROR TOWER  
61 MODY ROAD  
TSIM SHA TSUI EAST  
KOWLOON  
HONG KONG

Sample Description:	24" HEAVENLY HUG DOLL IN GIFT BOX - BOY DOLL. SEWN LABEL		
Vendor:	N/A	Sample Size:	4 + 1 LOT(S)
Manufacturer:	N/A	Style No(s):	(88714)
Buyer:	N/A	SKN/SKU No.:	0 94922 88714 6
Labeled Age Grade:	AGES 3+	PO No.:	N/A
Appropriate Age Grade:	OVER 2 YEARS OF AGE	Ref #:	N/A
Client Specified Age Grade:	NOT SPECIFIED	Country of Origin:	CHINA
Tested Age Grade:	OVER 2 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	094922887146		

**EXECUTIVE SUMMARY:**

The sewn label MEET the following requirement(s):

- The lead content requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" (CPSC and CPSA regulations).

The sample(s) MEET the following requirement(s):

- The flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- The flammability requirements of 16 CFR 1610, "Standard for the flammability of clothing textiles", in the original state (FFA regulations).
- The labeling requirements of ASTM F963-07 E1, "Standard consumer safety specification for toy safety".
- The mechanical hazards requirements of ASTM F963-07 E1, "Standard consumer safety specification for toy safety".
- The flammability requirements PA Code, Title 34, "Stuffed toy regulations", Section 47.321 (fabrics).

Note: Insufficient surface coatings were found on the submitted samples. Therefore, the lead content tests were conducted on the submitted parts.

BUREAU VERITAS HONG KONG LIMITED

Lau Wing Kit, Keff  
Director  
Toys and Juvenile Products Department

KL/vp



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**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-07, "Standard Consumer Safety Specification on Toy Safety". Annex A1

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

**USE AND ABUSE TESTS**

The samples were undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable

Test	Test Parameters	Standard Reference
Impact Test	4 x 3 ft	1500.52(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)



**RESULTS:**

**PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-07 E1)**

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials – Visual Inspection	M
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	M
4.7	Accessible Edges	M
4.8	Projections	N/A
4.9	Accessible Points	M
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Packaging Film	M
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes Clearances, and Accessibility of Mechanisms	M
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Toy Chest	N/A
4.28	Stuffed and Beanbag-Type Toys	M
4.31	Toy Gun Marking	N/A
4.33	Certain Toys with Spherical Ends	N/A
4.35	Balls	N/A
4.36	Pompoms	N/A
4.37	Hemispheric-Shaped Objects	N/A
4.38	Yo Yo Elastic Tether Toys	N/A
4.39	Magnets	N/A

*M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section*



**RESULTS:**

**LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-07 E1)**

Section	Requirement	Result
<b>Safety Labeling Requirements</b>		
5.4 & 5.3	Aquatic Toys	N/A
5.5 & 5.3	Crib and Playpens Toys	N/A
5.6 & 5.3	Mobiles	N/A
5.7 & 5.3	Stroller and Carriage Toys	N/A
5.8 & 5.3	Toys Intended to be Assembled by an Adult	N/A
5.9 & 5.3	Simulated Protective Devices	N/A
5.10 & 5.3	Toys with Functional Sharp Edges and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	N/A
5.12	Toy Caps (16 CFR 1500.86 for Required Labeling)	N/A
5.13	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.15	Battery-Operated Toys	N/A
5.15.1 & 5.3	Battery-Powered Ride-On Toys	N/A
5.16	Promotional Materials	M
5.17 & 5.3	Magnets	N/A
<b>Instructional Literature</b>		
6.1	Definition and Description	M
6.2	Toy Chests	N/A
6.3	Crib and Playpen Toys	N/A
6.4	Mobiles	N/A
6.5 & 5.3	Toys Intended to be Assembled by an Adult	N/A
6.6.1-2	Battery-Operated Toys	N/A
6.6.3	Battery-Powered Ride-On Toys	N/A
6.7	Toys in Contact with Food	N/A
<b>Producer's Markings</b>		
7.1	Producer's Name and Address	M
7.2	Toy Chests	N/A
7.3	Battery-Powered Ride-on Toys	N/A

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

**FLAMMABILITY (16 CFR SECTION 1500.3(c)(6)(vi))**

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Ignited but Self-Extinguished.



**RESULTS:**

**FLAMMABILITY OF CLOTHING TEXTILES (16 CFR PART 1610)**

Textile Material Type:	Without nap, pile, tufting, flock or other type of a raised-fibre surface	
Requirement Reference	Original State Observation	Flammability Classification
1610.3(a)(1)(i)	Ignited but Self-Extinguished	Class 1 - Normal

**COMMONWEALTH OF PENNSYLVANIA - STUFFED TOYS REGULATIONS**

- FLAMMABILITY - FABRICS (Section 47.321)

At the request of the client, the sample(s) was evaluated for compliance with the Flammability requirement of the Commonwealth of Pennsylvania, Stuffed Toy Regulations, PA Code, Title 34, Chapter 47, Section 47.321 - Fabrics.

Type of material:	Category II - Napped, pile, tufted, flocked, or other type raised fibre surface				
Parameter:	Time of flame spread for 12 square inches.				
	Component	Style No.	Result (Seconds)	Class	Conclusion
A.	White		1.47	ISE	Pass

*DNI = Did not ignite*

*ISE = Ignited but self extinguished*

**Classification:**

- Accepted:
- Class I - Time of flame spread is over 7 seconds for 12 square inches.
  - Class II - Burns with a rapid surface flash is less than 7 seconds for 12 square inches, with no fusing or ignition of base fabric.
  - Class III - Time of flame spread is from 4 to 7 seconds, both inclusive, for 12 square inches with fusing or ignition of base fabric.
- Unsuitable:
- Class IV - Time of flame spread is less than 4 seconds for 12 square inches with fusing or ignition of base fabric.

**TOTAL LEAD CONTENT (16 CFR 1303, "Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint")**

Element:				Lead	
Requirement: Maximum allowable limit (0.06% by weight)				600 mg/kg	
	Sample Description			Result (mg/kg)	Conclusion
	Color / Component	Location	Style		
(A)	Surface Coating black	parts of sewn label		LT 48	Pass

*LT = Less than*

*mg/kg = milligrams per kilogram (ppm = parts per million)*

*\* = Average of duplicate analyses*