



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

CRYSTAL ASIA NETWORK LTD.

Technical Report: (5208)061-0134
Date Received: March 19, 2008

March 25, 2008
Page 1 of 5

ERIC CHU
CRYSTAL ASIA NETWORK LTD.
UNIT 10, 20/F., MODERN WAREHOUSE
6 SHING YIP STREET
KWUN TONG
KOWLOON
HONG KONG

Sample Description:	IMAGINATION STORY CARDS	Sample Size:	4
Vendor:	N/A	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	ALL AGES	Ref #:	N/A
Appropriate Age Grade:	NOT REQUESTED	Country of Origin:	CHINA
Client Specified Age Grade:	ALL AGE	Assortment No.:	N/A
Grade:			
Tested Age Grade:	ALL AGES		
UPC Code:	9781604612783		

EXECUTIVE SUMMARY:

The sample(s) 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 flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- The soluble heavy metals content requirements of ASTM F963-07 E1, "Standard consumer safety specification on toy safety," Section 4.3.5.2.
- 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".

Note: At the request of the client, the sample(s) was evaluated for use by children all ages.

BUREAU VERITAS HONG KONG LIMITED


Lau Wing Kit, Keff
Director
Toys and Juvenile Products Department

KL/nc



CRYSTAL ASIA NETWORK LTD.
 Technical Report: **(5208)061-0134**
 March 25, 2008
 Page 2 of 5

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	10 x 4.5 ft	1500.51(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)



CRYSTAL ASIA NETWORK LTD.
 Technical Report: **(5208)061-0134**
 March 25, 2008
 Page 3 of 5

RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-07 E1)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials – Visual Inspection	N/A
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	N/A
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	N/A
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	N/A
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



CRYSTAL ASIA NETWORK LTD.
 Technical Report: **(5208)061-0134**
 March 25, 2008
 Page 4 of 5

RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-07 E1)

Section	Requirement	Result
Safety Labeling Requirements		
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
Instructional Literature		
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
Producer's Markings		
7.1	Producer's Name and Address	M
7.2	Toy Chests	N/A
7.3	Battery-Powered Ride-on Toys	N/A

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CRYSTAL ASIA NETWORK LTD.
 Technical Report: **(5208)061-0134**
 March 25, 2008
 Page 5 of 5

RESULTS:

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.

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 all	story cards		LT 14	Pass

LT = Less than
 * = Average of duplicate analyses
 mg/kg = milligrams per kilogram (ppm = parts per million)

SOLUBLE HEAVY METALS CONTENT (ASTM F963-07 E1, Section 4.3.5.2)

Test Method: Soluble heavy metals content analysis was determined by Inductively Coupled Plasma Spectrometry.

Color / Component	Location	Style
A. Surface Coating all	story cards	

Element	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of trace Amount	
Maximum Limit (mg/kg)	25	1000	75	60	60	90	60	500		
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%		
Sample	Result (mg/kg)								(gram)	Conclusion
A.	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass

LT = Less Than
 CR = Adjusted analytical result
 mg/kg = milligrams per kilogram (ppm = parts per million)
 * = Average of duplicate analyses

As = Arsenic, Ba = Barium, Cd = Cadmium,
 Cr = Chromium, Hg = Mercury, Pb = Lead,
 Sb = Antimony, Se = Selenium