



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

TECHNO SOURCE

Technical Report: (8508)304-0074(A)
Date Received: October 30, 2008

November 13, 2008

Page 1 of 8

Sample Description:	ARE YOU SMARTER THAN A 5TH GRADER	Sample Size:	6
Vendor:	N/A	Style No(s):	0200
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	AGES 8+	Ref #:	N/A
Appropriate Age Grade:	OVER 8 YEARS OF AGE	Country of Origin:	CHINA
Client Specified Age Grade:	NOT SPECIFIED	Assortment No.:	N/A
Tested Age Grade:	OVER 8 YEARS OF AGE		
UPC Code:	801561002003		



EXECUTIVE SUMMARY:

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

- 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".
- The battery-operated toys test requirements of ASTM F963-07 E1, "Standard consumer safety specification for toy safety", Section 4.25 (exclude 4.25.10).
- In lieu of testing and at the request of the client, documentation has been provided which indicates compliance with the heavy metals content in packaging requirements of Model Toxics Legislation of the Coalition of Northeastern Governors (CONEG).
- The BBP, DBP & DEHP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The DNOP, DIDP & DINP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The total lead content of surface coating requirements in client's specification (90ppm).
- The performance requirement of client's specification.
- The total lead content of 300ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).

Note: The received sample(s) contained scrapable surface coating material(s) of less than 10 milligrams by weight on one single sample, therefore such coating material(s) was not subject to the soluble heavy metals analysis of ASTM F963-07 E1, "Standard consumer safety specification on toy safety", Section 4.3.5.2, as specified in Section 8.3.3.1(2).

BUREAU VERITAS HONG KONG LIMITED

Wendy Cha
Manager
Toys And Juvenile Products Department

WC/mw



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.

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	M
4.6	Small Objects	N/A
4.7	Accessible Edges	N/A
4.8	Projections	N/A
4.9	Accessible Points	N/A
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	M
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 (exclude section 4.25.10 Battery-powered ride-on toys)	M



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-07 E1)

Section	Requirement	Result
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	Small 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
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	M
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

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



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	Most rapid burn rate less than 0.1 of an inch per second.

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
Surface Coating A. Silver	Pen & body	

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	0.0358	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



RESULTS:

PHthalATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates - BBP / DBP / DEHP CONTENT)

Sample Identity	Test Component	Location	Style
A.	Dull blue plastic Bright deep blue plastic	Case of player & battery compartment Case of screen	
B.	Soft dull blue plastic Yellow plastic	Switch Pen	
C.	Transparent plastic	Screen	

Test Parameter:	BBP	DBP	DEHP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	ND	ND	ND	Pass
B.	ND	ND	ND	Pass
C.	ND	ND	ND	Pass

Detection Limit :

BBP = Butyl benzyl phthalate (0.005%)
 DBP = Dibutyl phthalate (0.005%)
 DEHP = Di(2-ethylhexyl) phthalate (0.005%)

Results reported in percentage
 LT = Less than
 ND = None detected

PHthalATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates - DNOP / DINP / DIDP CONTENT)

Sample Identity	Test Component	Location	Style
A.	Dull blue plastic Bright deep blue plastic	Case of player & battery compartment Case of screen	
B.	Soft dull blue plastic Yellow plastic	Switch Pen	

Test Parameter:	DNOP	DINP	DIDP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	ND	ND	ND	Pass
B.	ND	ND	ND	Pass

Detection Limit :

DNOP = Di-n-octyl phthalate (0.005%)
 DINP = Di-iso-nonyl phthalate (0.005%)
 DIDP = Di-iso-decyl phthalate (0.005%)

Results reported in percentage
 LT = Less than
 ND = None detected