



CONSUMER PRODUCTS SERVICES DIVISION

TECHNO SOURCE

Technical Report:	(8511)158-0042	June 14, 2011
Date Received:	June 14, 2011	Page 1 of 13
Sample Description:	20Q ASSORTMENT 1.) FOR STYLE NO. 1061 2.) FOR STYLE NO. 1062 3.) FOR STYLE NO. 1063 PARTS	
Vendor:	N/A	Sample Size: 3+1 LOT(S)
Manufacturer:	On File	Style No(s): 1061, 1062, 1063
Buyer:	N/A	SKN/SKU No.: N/A
Labeled Age Grade:	6+	PO No.: N/A
Appropriate Age Grade:	OVER 6 YEARS OF AGE	Ref #: N/A
Client Specified Age Grade:	NOT SPECIFIED	Country of Origin: CHINA
Tested Age Grade:	OVER 6 YEARS OF AGE	Assortment No.: (1060)
UPC Code:	801561010619, 801561010626, 801561010633	Retail Link Protocol for: TOYS ALL PRODUCTS BATTERY OPERATED PRODUCT ADDENDUM
Protocol No.:	WMRT-8000-US WMRT-10000-US WMRT-8001.02-US	

EXECUTIVE SUMMARY:

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

- The requirements of Retail Link test protocol Toys.
- The requirements of Retail Link test protocol All Products.
- The requirements of Retail Link test protocol Product Addendum.
- The flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- The labeling requirements of ASTM F963-08, "Standard consumer safety specification for toy safety".
- The mechanical hazards requirements of ASTM F963-08, "Standard consumer safety specification for toy safety".
- The battery-operated toys test requirements of ASTM F963-08, "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, COC 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).



EXECUTIVE SUMMARY:

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

- The BBP, DBP & DEHP content requirements by composite testing 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 by composite testing 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 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The DnHP content requirement of the client's specification.
- The packaging and labeling requirements of the client's testing program.
- The performance requirement of client's specification.
- In lieu of testing and at the request of the client, documentation has been provided which indicates compliance with the mercury content requirement of US PL 104-142 Mercury in batteries.
- The heavy metals content of substrate materials requirement in Walmart's specification.
- The total mercury content in LCD screen requirements of the client's specification.

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

- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total lead content of surface coating requirements of Illinois Lead Poisoning Prevention Act, Public Act 095-1019, in client's specification (40ppm).



EXECUTIVE SUMMARY:

- Note: The sample(s) was not evaluated to the Normal Use testing requirements specified in ASTM F963-08, Section 8.5. It is the responsibility of the manufacturer, vendor or distributor to conduct tests that will simulate normal use conditions. These tests shall ensure that hazards are not generated through normal wear and deterioration of the sample(s). These tests shall also simulate the normal play mode of the toy and to simulate the expected mode of use of the particular toy. The tests shall be conducted in an expected use environment. These normal use tests shall simulate the intended use of the toy based on its estimated lifetime.
- Note: The CPSIA 103 tracking label was not evaluated per the client's request.
- 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 F963-08, "Standard consumer safety specification on toy safety", Section 4.3.5.2, as specified in Section 8.3.3.1(2).
- Note: Insufficient surface coatings were found on the submitted samples. Therefore, the heavy metals tests were conducted on the submitted parts.
- 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 soluble metal content of Walmart's specification.
- Note: No COO in Test Request Form.

BUREAU VERITAS SHENZHEN CO.,LTD

Wendy Cha
Manager
Toys And Juvenile Products Department

WC/II

**This third party report was issued to certify the tested product(s) complied with this rule, ban, standard, or regulation.



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 F963-08, "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	1500.53(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 F963-08)

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	M
4.8	Projections	N/A
4.9	Accessible Points	M
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	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 (exclude section 4.25.10 Battery-powered ride-on toys)	M
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.30	Toy Gun Marking	N/A
4.32	Certain Toys with Spherical Ends	N/A
4.34	Small Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A

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



RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-08)

Section	Requirement	Result
Safety Labeling Requirements		
5.4 & 5.3	Aquatic Toys	N/A
5.5 & 5.3	Crib and Playpen 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	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4 & 5.3	Toys Intended to be Assembled by an Adult	N/A
6.5.1-2	Battery-Operated Toys	M
6.5.3	Battery-Powered Ride-On Toys	N/A
6.6	Toys in Contact with Food	N/A
Producer's Markings		
7.1	Producer's Name and Address	M
7.2	Battery-Powered Ride-on Toys	N/A

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



RESULTS:

CLAIM VERIFICATION

Claims	Classification	Results	Rating
CE mark	Doc. Review EN 71 EMC EN 62115	Documentation provided	Pass
1 pc. Electronic Handheld game 2 XAAA / R03 (1.5V) batteries Instructions	Actual test: count	Result: As claim	Pass
Improved wind reading powers Bigger screen & special light effects New answer buttons Replay & skip	Actual test: Normal use	Result: As claim	Pass

FYI = For information only

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	Did not ignite.



RESULTS:

TOTAL LEAD CONTENT IN SURFACE COATING BY COMPOSITE TESTING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)

Element:				Lead		Conclusion
Requirement: Maximum allowable limit:				90 mg/kg		
Sample Description				Result (mg/kg)		Conclusion
Color / Component		Location	Style	Overall	Potential	
(A)	Black coating	Words & logo Parts	1-3	LT 10	-	Pass
	Pink coating	Logo Parts	1			
(B)	Blue coating	Logo Parts	2	LT 10	-	Pass
	Red coating	Logo Parts	3			

LT = Less Than
 * = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)
 Potential = Estimated lead content per component is based on calculation by component individual weight

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Analyte	Lead
Requirement: Maximum allowable limit:	100 mg/kg

Analyte			Lead (Pb)		Conclusion
Sample Description			Result (mg/kg)		
Color / Component		Location	Style		
(A)	Pink plastic	Body	1	LT 10	Pass
(B)	Blue plastic	Body	2	LT 10	Pass
(C)	Red plastic	Body	3	LT 10	Pass
(D)	Transparent pink plastic	Cover of screen	1	LT 10	Pass
(E)	Transparent blue plastic	Cover of screen	2	LT 10	Pass
(F)	Transparent red plastic	Cover of screen	3	LT 10	Pass
(G)	Transparent black plastic	Screen	1-3	LT 10	Pass
(H)	Bright transparent plastic	Frame of screen	1-3	LT 10	Pass
(I)	Silvery metal	Screw or battery compartment	1-3	21	Pass

LT = Less Than
 * = Average of duplicate analyses

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



RESULTS:

TOTAL LEAD CONTENT IN SURFACE COATING (Illinois General Assembly, Public Act 095-1019)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Lead
Requirement: Maximum allowable limit:	40 mg/kg

Analyte			Sample Description		Lead (Pb)	Conclusion
					Result (mg/kg)	
	Color / Component	Location	Style			
(A)	Black coating	Words & logo Parts	1-3	LT 10	Pass	
	Pink coating	Logo Parts	1			
(B)	Blue coating	Logo Parts	2	LT 10	Pass	
	Red coating	Logo Parts	3			

LT = Less Than

* = Average of duplicate analyses

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



RESULTS:

HEAVY METALS CONTENT IN SUBSTRATE (Walmart's specification)

Sample Identity	Color / Component	Location	Style
A.	Pink plastic	Body	1
B.	Blue plastic	Body	2
C.	Red plastic	Body	3
D.	Transparent pink plastic	Cover of screen	1
E.	Transparent blue plastic	Cover of screen	2
F.	Transparent red plastic	Cover of screen	3

Analyte	As	Ba	Cd	Cr	Sb	Se
Maximum Limit (mg/kg)	25 (S)	1000 (S)	75 (S)	60 (S)	60 (S)	500 (S)
Analytical Correction	60%	30%	30%	30%	60%	60%

Analyte		As	Ba	Cd	Cr	Sb	Se	Conclusion
Sample		Result (mg/kg)						
A.	(T)	LT 10	LT 10	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	
B.	(T)	LT 10	LT 10	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	
C.	(T)	LT 10	LT 10	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	
D.	(T)	LT 10	LT 10	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	
E.	(T)	LT 10	LT 10	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	
F.	(T)	LT 10	15	LT 10	LT 10	LT 10	LT 10	Pass
	(S)	-	-	-	-	-	-	

T = Total analysis
 S = Soluble analysis
 CR = adjusted analytical result
 mg/kg = milligrams per kilogram (ppm=parts per million)

* = Average of duplicate analysis
 LT = Less Than
 As = Arsenic, Ba = Barium, Cd = Cadmium,
 Cr = Chromium, Sb = Antimony, Se = Selenium



RESULTS:

PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES BY COMPOSITE TESTING (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.	Black coating /	Words & logo	1-3
		Parts	
	Pink /	Logo	1
	Blue /	Logo	2
	Red coating	Logo	3

Test Parameter:	BBP	DBP	DEHP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	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 BY COMPOSITE TESTING (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.	Black coating /	Words & logo	1-3
		Parts	
	Pink /	Logo	1
	Blue /	Logo	2
	Red coating	Logo	3

Test Parameter:	DNOP	DINP	DIDP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	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



RESULTS:

CLIENT'S DnHP PHTHALATE CONTENT REQUIREMENT

Test Parameter:			DnHP		
Limit (%):			0.1		
Color / Component		Location	Style	Result (%)	Conclusion
A.	Composite of Black coating /	Words & logo	1-3	LT 0.005	Pass
	Pink /	Parts			
	Blue /	Logo	1		
	Red coating	Logo	2		
		Logo	3		

Detection Limit :
 DnHP = Dihexyl phthalate (0.005%)

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

MERCURY CONTENT IN LCD SCREEN (Client's Specification)

Element:			Mercury	
Requirement: Maximum allowable limit: (0.1% by weight)			1000mg/kg	
Sample Description			Result (mg/kg)	Conclusion
Color / Component	Location	Style		
(A) Transparent black plastic	Screen	1-3	LT 3	Pass
(B) Sharp transparent plastic	Back of screen	1-3	LT 3	Pass
(C) Glass transparent	Screen	1-3	LT 3	Pass
(D) Silver plastic sticker	Back of screen	1-3	LT 3	Pass

LT = Less Than
 * = Average of duplicate analyses

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

RESULTS:

