



CONSUMER PRODUCTS SERVICES DIVISION

**TOY WONDERS INC**

**Technical Report: (5208)109-0948**  
Date Received: April 18, 2008

May 13, 2008  
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SAMUEL SU  
TOY WONDERS INC  
234 MOONACHIE ROAD  
MOONACHIE  
NEW JERSEY  
07074  
UNITED STATES

Sample Description: SS 5308D BEACH ROADSTER  
1. ) YELLOW  
2. ) BLACK  
3. ) GREEN  
4. ) RED  
5. ) BLUE  
6. ) WHITE

Vendor:	N/A	Sample Size:	6
Manufacturer:	SUNNYSIDE LIMITED	Style No(s):	SS 5308D
Buyer:	N/A	SKN/SKU No.:	N/A
Labeled Age Grade:	NOT PRESENT	PO No.:	N/A
Appropriate Age Grade:	OVER 3 YEARS OF AGE	Ref #:	N/A
Client Specified Age Grade:	NOT SPECIFIED	Country of Origin:	CHINA
Grade:		Assortment No.:	N/A
Tested Age Grade:	OVER 3 YEARS OF AGE		
UPC Code:	792674888885		

**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 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 tested components sample(s) MEET the following requirement(s):

- The BBP, DBP and DEHP content requirements of the California Bill No. 1108, CHAPTER 672, an act to add Chapter 11 (commencing with Section 108935) to Part 3 of Division 104 of the Health and Safety Code.



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**EXECUTIVE SUMMARY:**

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

Lau Wing Kit, Keff  
Director  
Toys and Juvenile Products Department

KL/la



**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	1500.53(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 F963-07 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	N/A
4.7	Accessible Edges	M
4.8	Projections	M
4.9	Accessible Points	M
4.10	Wires or 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	M
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	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*



**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*



**RESULTS:**

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			LT 32	Pass
	yellow	body	1		
	black	body	2		
	metallic green	body	3		
	red	body	4		
(B)	metallic blue	body	5	LT 26	Pass
	white	body	6		
	silver	pattern and back light	all		
(C)	shiny silver	bumper and wheels and inner car body and foot step and front light and number plate and engine	all	LT 36	Pass
	matt black/ matt silver/ matt red	car seats	all		

LT = Less than

\* = Average of duplicate analyses

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



**RESULTS:**

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 yellow	body	1
B. black	body	2
C. metallic green	body	3
D. red	body	4
E. metallic blue	body	5
F. white	body	6
G. shiny silver	bumper/ wheels/ engine inner car body/ foot step/ front light/ number plate	all
H. silver	pattern and backlight	all
I. matt black	car seat	all

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	24	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass
B	LT 2	28	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0651	Pass
C	LT 2	22	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0204	Pass
D	LT 2	460	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass
E	LT 2	13	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0207	Pass
F	LT 2	4	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass
G	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0102	Pass
H	LT 2	8	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0101	Pass
I	LT 2	14	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0101	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 TOYS AND CHILDCARE ARTICLES (California Bill No. 1108, Product Safety (commencing with Section 108935) BBP / DBP / DEHP CONTENT)**

Sample Identity	Test Component	Location	Style
A.	soft black pvc	tyres	1-6
B.	clear plastic	window	1-6
	clear red plastic	back light	1-6
	shiny grey plastic	back engine and front seat of car	1-6
C.	black plastic	base of car	1-6
	grey plastic	back seat of car	1-6
	off-white plastic	steering wheel	1-6
D.	dull black plastic	bumper, exhaust pipe and fence of 2 sides of car	1-6
	pale off-white plastic	wheels	1-6
	translucent plastic	front light	1-6

Test Parameter:	BBP	DBP	DEHP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	LT 0.01	LT 0.01	LT 0.01	Pass
B.	LT 0.01	LT 0.01	LT 0.01	Pass
C.	LT 0.01	LT 0.01	LT 0.01	Pass
D.	LT 0.01	LT 0.01	LT 0.01	Pass

*Detection Limit :*

BBP = Butyl benzyl phthalate (0.003%)  
 DBP = Dibutyl phthalate (0.003%)  
 DEHP = Di(2-ethylhexyl) phthalate (0.003%)

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