



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

Technical Report: (5206)149-0639(Revision)

Date Received: June 26, 2006

July 05, 2006

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PURPLE LAM
PROCON (ASIA) LTD
407, ENERGY PLAZA
TSIM SHA TSUI EAST
KOWLOON
HONG KONG

Sample Description:

DINOSAURS LIFE / SEA LIFE / FARM LIFE ANIMAL SET / WOODLAND LIFE

- 1.) DINOSAUR LIFE ANIMAL SET - VELOCIRAPTOR
- 2.) DINOSAUR LIFE ANIMAL SET - BRACHIOSAURUS
- 3.) DINOSAUR LIFE ANIMAL SET - TYRANNOSAURUS
- 4.) DINOSAUR LIFE ANIMAL SET - TRICERATOPS
- 5.) DINOSAUR LIFE ANIMAL SET - STEGOSAURUS
- 6.) DINOSAUR LIFE ANIMAL SET - PTERADON
- 7.) FARM LIFE ANIMAL SET - FRESIAN COW
- 8.) FARM LIFE ANIMAL SET - CALF (BABY COW)
- 9.) FARM LIFE ANIMAL SET - SHEEP
- 10.) FARM LIFE ANIMAL SET - LAMB
- 11.) FARM LIFE ANIMAL SET - HEN
- 12.) FARM LIFE ANIMAL SET - COCKREL
- 13.) FARM LIFE ANIMAL SET - DUCK
- 14.) FARM LIFE ANIMAL SET - COW (FEMALE PIG)
- 15.) FARM LIFE ANIMAL SET - PIGLET
- 16.) FARM LIFE ANIMAL SET - THOROUGHBRED MARE (FEMALE HORSE)
- 17.) FARM LIFE ANIMAL SET - THOROUGHBRED FOAL (BABY HORSE)
- 18.) FARM LIFE ANIMAL SET - BORDER COLLIE
- 19.) SEA LIFE ANIMAL SET - MANTA RAY
- 20.) SEA LIFE ANIMAL SET - GREAT WHITE SHARK
- 21.) SEA LIFE ANIMAL SET - BOTTLENOSE DOLPHIN
- 22.) SEA LIFE ANIMAL SET - KILLER WHALE
- 23.) SEA LIFE ANIMAL SET - BLUE WHALE
- 24.) SEA LIFE ANIMAL SET - HAMMERHEAD SHARK
- 25.) WOODLAND LIFE - FOX
- 26.) WOODLAND LIFE - SQUIRREL
- 27.) WOODLAND LIFE - RABBIT
- 28.) WOODLAND LIFE - BARN OWL
- 29.) WOODLAND LIFE - STAG (MALE DEER)
- 30.) WOODLAND LIFE - BABY BEAR
- 31.) WOODLAND LIFE - DOE (FEMALE DEER)
- 32.) WOODLAND LIFE - FAWN (BABY DEER)
- 33.) WOODLAND LIFE - EURASIAN BADGER
- 34.) WOODLAND LIFE - HARE
- 35.) WOODLAND LIFE - HEDGEHOG
- 36.) WOODLAND LIFE - DARTMOOR PONY
- 37.) WOODLAND LIFE - COMMON OTTER

Vendor:

N/A

Sample Size:

111



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Manufacturer: N/A

Style No(s): R88050/R88058,
R88034,
R88050/R88058,
R88035,
R88050/R88058,
R88036,
R88050/R88058,
R88037,
R88050/R88058,
R88038,
R88050/R88058,
R88039, R88051
R88059 /R88060,
R88014, R88051
R88059 /R88060,
R88013, R88051
R88059 /R88060,
R88008, R88051
R88059 /R88060,
R88009, R88051
R88059 /R88060,
R88005, R88051
R88059 /R88060,
R88004, R88051
R88059 /R88060,
R88007, R88051
R88059 /R88060,
R88006, R88051
R88059 /R88060,
R88063, R88051
R88059 /R88060,
R88022, R88051
R88059 /R88060,
R88021, R88051
R88059 /R88060,
R88010, R88052 /
R88061/ R88062,
R88040, R88052 /
R88061/ R88062,
R88041, R88052 /
R88061/ R88062,
R88042, R88052 /
R88061/ R88062,
R88043, R88052 /
R88061/ R88062,
R88044, R88052 /
R88061/ R88062,
R88045, R88001,
R88011, R88002,
R88003, R88020,
R88024, R88019,
R88018, R88015,
R88012, R88017,
R88023, R88053
N/A

Buyer: N/A

SKN/SKU No.:

N/A



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Labeled Age Grade:	NOT PRESENT	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
(*)Client Specified Age Grade:	OVER 3 YEARS OF AGE	Country of Origin:	CHINA
(*)Tested Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	N/A	Ass't Item No	FOR STYLE #25-37 SAMPLE(S) = R88049, R88056/R88057

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 F963-03, "Standard consumer safety specification on toy safety," Section 4.3.5.2.
- The labeling requirements of ASTM F963-03, "Standard consumer safety specification for toy safety".
- The mechanical hazards requirements of ASTM F963-03, "Standard consumer safety specification for toy safety".

Note: No relevant packaging was provided with the submitted sample(s). Consequently, evaluation of the applicable labelling requirements of the ASTM F963-03, "Standard Consumer Safety Specification on Toy Safety", was not conducted.

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 F963-03, "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/dt



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 F963-03, "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 BVHK 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 F963-03)

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	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 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

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	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 bright black	eyes	7,9,10,13-17,23,25-37	LT 19	Pass
		hooves	9,10,16,17,29,31,32,36		
		feet	13		
		mane and tail	16,17,36		
		nose	25-28, 30, 33,34,36,37		
	bright black/ white white	whale	22		
		hen	11		
		cock	12		
		eyes	19-22,24		
		dolphin	21		
white/ deep blue pale grey	whale	23			
	dolphin	21			
(B)	dull yellow	dinosaur	4	LT 31	Pass
	light orange/ light yellow	dinosaur	6		
(C)	deep grey	nose	9,10,31,32	LT 23	Pass
		squirrel	26		
		horns, nose and body	29		
		hare	34		
	dark blue dull grey	manta ray	19		
		shark	20		



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		
(D)	grey	shark	24	LT 24	Pass
	milky grey	owl	28		
	black	dinosaur	1-3,5		
		ear and body	7		
		cow	8		
		dog	18		
		nails	37		
		pink			

LT = Less than

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

* = Average of duplicate analyses

SOLUBLE HEAVY METALS CONTENT (ASTM F963-03, Section 4.3.5.2)

	Color / Component	Location	Style	Mass of trace amount: (gram)
A.	Surface Coating bright black	eyes	7,9,10,13-17,23,25-37	0.0568
		hooves	9,10,16,17,29,31,32,36	
		feet	13	
		mane and tail	16,17,36	
		nose	25-28 ,30,33,34,36,37	
		whale	22	
		B.	white/ deep blue	
C.	deep blue	whale	23	0.0679
D.	pale grey	dolphin	21	0.0156
E.	dull yellow	dinosaur	4	0.0228
F.	light orange/ light yellow	dinosaur	6	0.0443
G.	dark blue	manta ray	19	0.0614
H.	dull grey	shark	24	
I.	grey	shark	24	0.0362
J.	black	dinosaur	1-3,5	0.0239
		ear and body	7	
		cow	8	
		dog	18	



RESULTS:

SOLUBLE HEAVY METALS CONTENT (ASTM F963-03, Section 4.3.5.2)

Element	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Antimony	Selenium	
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)								Conclusion
A.	LT 2	2	LT 2	3	LT 2	LT 2	LT 2	LT 2	Pass
B.	LT 2	4	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	Pass
C.	LT 2	11	LT 2	2	LT 2	3	LT 2	LT 2	Pass
D.	LT 2	4	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	Pass
E.	LT 2	170	LT 2	8	LT 2	LT 2	LT 2	LT 2	Pass
F.	LT 2	100	LT 2	2	LT 2	LT 2	LT 2	LT 2	Pass
G.	LT 2	41	LT 2	3	LT 2	LT 2	LT 2	LT 2	Pass
H.	LT 2	12	LT 2	3	LT 2	6	LT 2	LT 2	Pass
I.	LT 2	17	LT 2	2	LT 2	2	LT 2	LT 2	Pass
J.	LT 2	5	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