



**TEST REPORT**

NUMBER: SZHH00341188

APPLICANT: WHAM -O, INC.

DATE: Dec 29, 2008

**SAMPLE DESCRIPTION:**

FOUR (4) SETS OF SUBMITTED SAMPLE SAID TO BE :

- ITEM NAME : (1) #51105 MAXFLIGHT GLOW IN THE DA WITH 3 ASSORTED COLOR.
- (2) #52000 ULTIMATE FRISBEE W/O DVD PDQ6PK CLAMSHELL WITH 4 ASSORTED STYLES.
- (3) #51087 FRISBEE MALIBU 110G WITH 3 ASSORTED COLOR.

LABELLED AGE GROUP : NOT SPECIFIED FOR #51105 & #52000; 5+ FOR #51087.

PACKAGING PROVIDED BY : YES.

APPLICANT

MANUFACTURER : D&S.

COUNTRY OF ORIGIN : CHINA.



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**TESTS CONDUCTED:**

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

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TO BE CONTINUED

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
SHENZHEN LTD.

BEN N.L. LIN  
GENERAL MANAGER



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CONCLUSION:

<u>TESTED SAMPLES</u>	<u>STANDARD - U.S. ASTM F963-07<sup>e1</sup></u>	<u>RESULT</u>
SUBMITTED SAMPLE SETS	PHYSICAL AND MECHANICAL TESTS	PASS

FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
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COATINGS OF SUBMITTED SAMPLE SETS	TOXIC ELEMENTS TEST	PASS
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<u>TESTED SAMPLES</u>	<u>STANDARD - U.S. CFR TITLE 16</u>	<u>RESULT</u>
SUBMITTED SAMPLE SETS	(CPSC REGULATIONS) MECHANICAL AND PHYSICAL TESTS	PASS

PART 1500.3(c)(6)(vi) FLAMMABILITY TEST ON RIGID AND PLIABLE SOLIDS	PASS
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COATINGS OF SUBMITTED SAMPLE SETS	PART 1303 TOTAL LEAD CONTENT	PASS
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TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-07<sup>E1</sup>.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : OVER 5 YEARS FOR #51087.  
OVER 10 YEARS FOR #51105 & 52000.

THE SUBMITTED SAMPLES WERE UNDERGONE THE USE AND ABUSE TESTS IN ACCORDANCE WITH THE FEDERAL HAZARDOUS SUBSTANCES ACT (FHSA), TITLE 16, CODE OF FEDERAL REGULATIONS : -		
<u>TEST</u>	<u>FHSA</u>	<u>PARAMETER</u>
IMPACT TEST	SECTION 1500.53(b)	4 X 3.0 ft
TORQUE TEST	SECTION 1500.53(e)	4 in-lbf
TENSION TEST	SECTION 1500.53(f)	15 lbf
COMPRESSION TEST	SECTION 1500.53(g)	30 lbf

<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.1	MATERIAL QUALITY (VISUAL CHECK ON CLEANINGLESS)	P
4.5	SOUND-PRODUCING TOYS	NA
4.6.1	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS (SMALL OBJECTS)	NA
4.6.2	MOUTH-ACTUATED TOYS	NA
4.6.3	TOYS AND GAMES FOR 36 MONTHS TO 72 MONTHS (SMALL PART WARNING)	NA
4.7	ACCESSIBLE EDGES	P
4.8	PROJECTIONS	NA
4.9	ACCESSIBLE POINTS	P
4.10	WIRES OR RODS	NA
4.11	NAILS AND FASTENERS	NA
4.12	PACKAGING FILM	P
4.13	FOLDING MECHANISMS AND HINGES	NA
4.14	CORDS AND ELASTICS	NA
4.15	STABILITY AND OVER-LOAD REQUIREMENTS	NA
4.16	CONFINED SPACES	NA
4.17	WHEELS, TIRES AND AXLES	NA
4.18	HOLES, CLEARANCE, AND ACCESSIBILITY OF MECHANISMS	NA
4.19	SIMULATED PROTECTIVE DEVICES, SUCH AS HELMETS, HATS AND GOGGLES	NA
4.20	PACIFIERS	NA
4.21	PROJECTILE TOYS	NA
4.22	TEETHERS AND TEETHING TOYS	NA
4.23	RATTLES	NA
4.24	SQUEEZE TOYS	NA
4.25	BATTERY-OPERATED TOYS	NA
4.26	TOYS INTENDED TO BE ATTACHED TO A CRIB OR PLAYPEN	NA
4.27	TOY CHESTS	NA



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<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.28	STUFFED AND BEANBAG-TYPE TOYS	NA
4.29	STROLLER AND CARRIAGE TOYS	NA
4.30	ART MATERIALS	NA
4.31	TOY GUN MARKING	NA
4.32	BALLOONS	NA
4.33	CERTAIN TOYS WITH SPHERICAL ENDS	NA
4.34	MARBLES	NA
4.35	BALLS	NA
4.36	POMPOMS	NA
4.37	HEMISPHERIC-SHAPED OBJECTS	NA
4.38	YOYO ELASTIC TETHER TOYS	NA
4.39	MAGNETS	NA
5	LABELLING REQUIREMENT	P
6	INSTRUCTIONAL LITERATURE	P
7	PRODUCER'S MARKINGS	
	- NAME OF PRODUCER/DISTRIBUTOR (TOY & PACKAGE)	YES
	- ADDRESS (PACKAGE)	YES

REMARK : THE SUBMITTED SAMPLES WERE UNDERGONE THE TESTS IN ACCORDANCE WITH SECTION 8.5 THROUGH SECTION 8.18 AND 8.20 THROUGH 8.25 ON NORMAL USE, ABUSE AND SPECIFIC TESTS FOR DIFFERENT TYPES OF TOYS WHICHEVER IS APPLICABLE.

P = PASS

NA = NOT APPLICABLE

DATE SAMPLE RECEIVED : DEC 17, 2008  
TESTING PERIOD : DEC 17, 2008 TO DEC 20, 2008

2 FLAMMABILITY TEST

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-07<sup>e1</sup>.

RESULT : IGNITED BUT SELF-EXTINGUISHED BEFORE BURN RATE COULD BE DETERMINED

DATE SAMPLE RECEIVED : DEC 17, 2008  
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TESTS CONDUCTED

3 TOXIC ELEMENTS ANALYSIS ON COATINGS

AS PER SECTION 4.3.5 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-07<sup>e1</sup>, ACID DIGESTION AND EXTRACTION METHODS WERE USED AND TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

	RESULT IN ppm					LIMIT
	(1)	(2)	(3)	(4)	(5)	ppm
TOTAL LEAD (Pb)	<10	<10	<10	<10	<10	600
SOL. BARIUM (Ba)	<5	<5	<5	159	<5	1000
SOL. LEAD (Pb)	<5	<5	<5	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	<5	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	<5	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	<5	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	<5	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	<5	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	RESULT IN ppm				LIMIT
	(6)	(7)	(8)	(9)	ppm
TOTAL LEAD (Pb)	<10	<10	<10	<10	600
SOL. BARIUM (Ba)	<5	<5	<5	<5	1000
SOL. LEAD (Pb)	<5	<5	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	<2.5	<2.5	25

SOL. = SOLUBLE  
< = LESS THAN  
ppm = PARTS PER MILLION

TESTED COMPONENTS :

- (1) BLACK COATING ON PLASTIC (WHITE FRISBEE, BEIGE FRISBEE OF #52000).
- (2) MULTICOLOR COATING ON PLASTIC (WHITE, FRISBEE, BEIGE FRISBEE OF #52000).
- (3) SILVER COLOR COATING ON PLASTIC (BLACK FRISBEE, GREE FRISBEE, WHITE, FRISBEE OF #51105).
- (4) PINK COATING ON PLASTIC (BLACK FRISBEE OF #51807) (SAMPLE WEIGHT : 41mg).
- (5) BLUE COATING ON PLASTIC (BLACK FRISBEE OF #51807).
- (6) DARK BLUE COATING ON PLASTIC (YELLOW FRISBEE OF #51087).
- (7) RED COATING ON PLASTIC (YELLOW FRISBEE OF #51087).
- (8) WHITE COATING ON PLASTIC (BLUE FRISBEE OF #51807).
- (9) YELLOW COATING ON PLASTIC (BLUE FRISBEE OF #51807).

THE SAMPLE WEIGHT IN BRACKET WAS FOR SOLUBLE TOXIC ELEMENTS ANALYSIS ONLY.

DATE SAMPLE RECEIVED : DEC 17, 2008  
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TESTS CONDUCTED

4 PHYSICAL AND MECHANICAL TEST

AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 PART 1500.50, THE HAZARDS OF SHARP POINTS, SHARP EDGE AND SMALL PARTS ARE ASSESSED BOTH BEFORE AND AFTER APPLICABLE USE AND ABUSE TESTS.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : OVER 5 YEARS FOR #51807.  
OVER 10 YEARS FOR #51105 & 52000.

	<u>NO. OF SAMPLE TESTED</u>	<u>SHARP POINT (1500.48)</u>	<u>SHARP EDGE (1500.49)</u>	<u>SMALL PART (1501)</u>
AS RECEIVED	6	P	NA	NA
IMPACT (1500.53(b))	2	P	NA	NA
FLEXURE (1500.53(d))	0	NA	NA	NA
TORQUE (1500.53(e))	2	P	NA	NA
TENSION (1500.53(f))	2	P	NA	NA
COMPRESSION (1500.53(g))	2	P	NA	NA

REMARK : P = PASS  
NA = NOT APPLICABLE

DATE SAMPLE RECEIVED : DEC 17, 2008  
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5 FLAMMABILITY TEST

AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 PART 1500.44 FOR RIGID AND PLIABLE SOLIDS.

RESULT : IGNITED BUT SELF-EXTINGUISHED BEFORE BURN RATE COULD BE DETERMINED

DATE SAMPLE RECEIVED : DEC 17, 2008  
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TESTS CONDUCTED

6 TOTAL LEAD (Pb) CONTENT IN COATINGS

AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 PART 1303, ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>TESTED COMPONENT</u>	<u>RESULT IN %</u>	<u>LIMIT</u>
(1)	<0.001	0.060%
(2)	<0.001	0.060%
(3)	<0.001	0.060%
(4)	<0.001	0.060%
(5)	<0.001	0.060%
(6)	<0.001	0.060%
(7)	<0.001	0.060%
(8)	<0.001	0.060%
(9)	<0.001	0.060%

< = LESS THAN

TESTED COMPONENTS :

- (1) BLACK COATING ON PLASTIC (WHITE FRISBEE, BEIGE FRISBEE OF #52000).
- (2) MULTICOLOR COATING ON PLASTIC (WHITE, FRISBEE, BEIGE FRISBEE OF #52000).
- (3) SILVER COLOR COATING ON PLASTIC (BLACK FRISBEE, GREE FRISBEE, WHITE, FRISBEE OF #51105).
- (4) PINK COATING ON PLASTIC (BLACK FRISBEE OF #51807).
- (5) BLUE COATING ON PLASTIC (BLACK FRISBEE OF #51807).
- (6) DARK BLUE COATING ON PLASTIC (YELLOW FRISBEE OF #51087).
- (7) RED COATING ON PLASTIC (YELLOW FRISBEE OF #51087).
- (8) WHITE COATING ON PLASTIC (BLUE FRISBEE OF #51807).
- (9) YELLOW COATING ON PLASTIC (BLUE FRISBEE OF #51807).

DATE SAMPLE RECEIVED : DEC 17, 2008  
TESTING PERIOD : DEC 17, 2008 TO DEC 26, 2008

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END OF REPORT