



TEST REPORT

NUMBER: SZHH00331296

APPLICANT: WHAM -O, INC.

DATE: Dec 10, 2008

SAMPLE DESCRIPTION:

TWO (2) GROUPS OF SUBMITTED SAMPLE SAID TO BE :

- (A) ITEM NAME : **FRISBEE PRO CLASSIC WITH 6 ASSORTED COLOR.**
- ITEM NO. : **81110.**
- LABELLED AGE GROUP : AGES 5 AND UP.
- PACKAGING PROVIDED : YES.
- BY APPLICANT
- MANUFACTURER : D&S.
- QUANTITY : FOUR (4) SETS.
- COUNTRY OF ORIGIN : CHINA.
- (B) PARTS FOR (A) USE.



TESTS CONDUCTED:

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

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> GROUP (A)	<u>STANDARD - U.S. ASTM F963-07^{e1}</u> <u>PHYSICAL AND MECHANICAL TESTS</u>	<u>RESULT</u> PASS
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	FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
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COATINGS OF GROUP (B)	TOXIC ELEMENTS TEST	PASS
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<u>TESTED SAMPLES</u> GROUP (A)	<u>STANDARD - U.S. CFR TITLE 16</u> <u>(CPSR REGULATIONS)</u> <u>MECHANICAL AND PHYSICAL TESTS</u>	<u>RESULT</u> PASS
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	PART 1500.3(c)(6)(vi) FLAMMABILITY TEST ON RIGID AND PLIABLE SOLIDS	PASS
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COATINGS OF GROUP (B)	PART 1303 TOTAL LEAD CONTENT	PASS
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TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS ON GROUP (A)

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-07^{e1}.
APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : OVER 5 YEARS.

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
4.28	STUFFED AND BEANBAG-TYPE TOYS	NA



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<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
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

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TESTS CONDUCTED

2 FLAMMABILITY TEST ON GROUP (A)

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-07^{e1}.

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

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3 TOXIC ELEMENTS ANALYSIS ON COATINGS OF GROUP (B)

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

	RESULT IN ppm						LIMIT ppm
	(1)	(2)	(3)	(4)	(5)	(6)	
TOTAL LEAD (Pb)	<10	<10	<10	<10	<10	<10	600
SOL. BARIUM (Ba)	<5	289	92	<5	445	<5	1000
SOL. LEAD (Pb)	<5	<5	<5	<5	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	<5	<5	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	<5	<5	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	<5	<5	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	<5	<5	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	<5	<5	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

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

TESTED COMPONENTS :

- (1) SILVER COLOR COATING ON PLASTIC (PATTERN OF ALL DISCS).
- (2) GREEN COLOR COATING ON PLASTIC (PATTERN OF WHITE/ GREEN DISC).
- (3) DARK BLUE COATING ON PLASTIC (PATTERN OF WHITE/ BLUE DISC & BLUE DISC).
- (4) BLACK COATING ON PLASTIC (PATTERN OF ORANGE DISC).
- (5) YELLOW COATING ON PLASTIC (PATTERN OF BLACK DISC).
- (6) BLUE COATING ON PLASTIC (PATTERN OF BLUE DISC).

REMARK : SINCE THE COATINGS OF THE SUBMITTED SAMPLES WERE LESS THAN 10mg, PARTS WERE USED FOR THE TOXIC ELEMENTS ANALYSIS.

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TESTS CONDUCTED

4 PHYSICAL AND MECHANICAL TEST ON GROUP (A)

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.

	NO. OF SAMPLE TESTED	SHARP POINT (1500.48)	SHARP EDGE (1500.49)	SMALL PART (1501)
AS RECEIVED	4	P	NA	NA
IMPACT (1500.53(b))	1	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))	1	P	NA	NA

REMARK : P = PASS
NA = NOT APPLICABLE

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5 FLAMMABILITY TEST ON GROUP (A)

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

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TESTS CONDUCTED

6 TOTAL LEAD (Pb) CONTENT IN COATINGS ON GROUP (B)

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%

< = LESS THAN

TESTED COMPONENTS :

- (1) SILVER COLOR COATING ON PLASTIC (PATTERN OF ALL DISCS).
- (2) GREEN COLOR COATING ON PLASTIC (PATTERN OF WHITE/ GREEN DISC).
- (3) DARK BLUE COATING ON PLASTIC (PATTERN OF WHITE/ BLUE DISC & BLUE DISC).
- (4) BLACK COATING ON PLASTIC (PATTERN OF ORANGE DISC).
- (5) YELLOW COATING ON PLASTIC (PATTERN OF BLACK DISC).
- (6) BLUE COATING ON PLASTIC (PATTERN OF BLUE DISC).

DATE SAMPLE RECEIVED : NOV 27, 2008
TESTING PERIOD : NOV 27, 2008 TO DEC 08, 2008

END OF REPORT