



Hong Kong Government Recognized Service Supplier  
Approved Laboratory of The Woolmark Company

Members of :  
American National Standards Institute  
American Society for Testing and Materials  
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**TEST REPORT**

NUMBER: HKGH00707682

APPLICANT: On file

DATE: Jun 18, 2008

SAMPLE DESCRIPTION:

THREE (3) SETS OF SUBMITTED SAMPLE SAID TO BE :  
ITEM NAME : **ILLUMINATED PHASE 10 TOUCH SCREEN (HANDHELD)  
GAME.**  
ITEM NO. : **#0500.**  
LABELLED AGE GROUP : AGES 8+.  
PACKAGING PROVIDED BY : YES.  
APPLICANT  
VENDOR : SUN WING MING INDUSTRIAL LTD.  
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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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

COATINGS OF SUBMITTED SAMPLE SETS	TOXIC ELEMENTS TEST	PASS
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FOR AND ON BEHALF OF :  
INTERTEK TESTING SERVICES HK LTD.

KAREN S.C. NG  
GENERAL MANAGER





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TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-07<sup>c1</sup>.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING: FOR AGES OVER 8 YEARS.

<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.1	MATERIAL QUALITY (VISUAL CHECK ON CLEANINGLESS)	P
4.5	SOUND-PRODUCING TOYS	P
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	NA
4.8	PROJECTIONS	NA
4.9	ACCESSIBLE POINTS	NA
4.10	WIRES OR RODS	NA
4.11	NAILS AND FASTENERS	NA
4.12	PACKAGING FILM	NA
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	P
4.26	TOYS INTENDED TO BE ATTACHED TO A CRIB OR PLAYPEN	NA





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<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.27	TOY CHESTS	NA
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 (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

NOTE : <sup>1</sup> CLAUSE 4.38 & 4.39 ARE OUTSIDE THE SCOPE OF HOKLAS ACCREDITATION.

DATE SAMPLE RECEIVED : MAY 20, 2008

TESTING PERIOD : MAY 20, 2008 TO JUN 02, 2008

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2 FLAMMABILITY TEST

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

<u>SAMPLE</u>	<u>IGNITION POINT</u>	<u>BURN LENGTH</u> (INCH)	<u>TIME</u> (SEC)	<u>BURN RATE</u> (INCH/SEC)	<u>LIMIT</u> (INCH/SEC)
PEN	TIP	2.3	60	0.04	0.10

THE SUBMITTED TOY SAMPLE AND ITS ACCESSORIES WERE TESTED, THE ABOVE RESULT ONLY SHOWED THE MOST SEVERE BURN RATE OF THE SAMPLES.

DATE SAMPLE RECEIVED : MAY 20, 2008  
TESTING PERIOD : MAY 20, 2008 TO JUN 02, 2008

3 TOXIC ELEMENTS ANALYSIS ON COATINGS (RED, BLUE, WHITE, YELLOW) OF PLASTIC (GAME)

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.

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

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

DATE SAMPLE RECEIVED : MAY 20, 2008  
TESTING PERIOD : MAY 20, 2008 TO JUN 10, 2008

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4 SOLUBLE LEAD (Pb) CONTENT

AS PER CLIENT'S REQUEST, ACID EXTRACTION METHOD WAS USED AND SOLUBLE LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>TESTED COMPONENT</u>	<u>RESULT IN ppm</u>	<u>CLIENT'S REQUIREMENT</u>
		<u>IN ppm</u>
(1)	<5	250
(2)	<5	250
(3)	<5	250
(4)	<5	250

ppm = PARTS PER MILLION

< = LESS THAN

TESTED COMPONENTS :

- (1) WHITE PLASTIC (GAME, PEN).
- (2) TRANSPARENT PLASTIC (SCREEN).
- (3) BLUE PLASTIC (ON/OFF SWITCH).
- (4) PAPER SHEET WITH BLACK PRINTING (INSTRUCTION SHEET).

DATE SAMPLE RECEIVED : MAY 20, 2008

TESTING PERIOD : MAY 20, 2008 TO JUN 12, 2008

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END OF REPORT

