



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: HKGH00726356

APPLICANT: On file

DATE: Aug 02, 2008

SAMPLE DESCRIPTION:

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

(A) ITEM NAME : **ARE YOU SMARTER THAN A 5TH GRADER KEYCHAIN GAME.**

ITEM NO. : **0220.**

LABELLED AGE GROUP : AGES 8+.

PACKAGING PROVIDED : YES.

BY APPLICANT

VENDOR : SUN WING MING INDUSTRIAL LTD.

COUNTRY OF ORIGIN : CHINA PRC.

QUANTITY : 3 SETS.

(B) FOUR (4) SAMPLES OF PAINT FOR (A) USE :

(1) BLACK (WORD) .

(2) BLACK (TIP OF BODY) .

(3) PINK (BODY) .

(4) SILVER COLOR (BODY) .

TESTS CONDUCTED:

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

TO BE CONTINUED

FOR AND ON BEHALF OF :
INTERTEK TESTING SERVICES HK LTD.

KAREN S.C. NG
GENERAL MANAGER





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: HKGH00726356

CONCLUSION:

<u>TESTED SAMPLES</u>	<u>STANDARD - U.S. ASTM F963-07^{e1}</u>	<u>RESULT</u>
GROUP (A)	PHYSICAL AND MECHANICAL TESTS	PASS

FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
--	------

COATINGS OF GROUP (A) / GROUP (B)	TOXIC ELEMENTS TEST	PASS
--------------------------------------	---------------------	------

FOR AND ON BEHALF OF :
INTERTEK TESTING SERVICES HK LTD.

KAREN S.C. NG
GENERAL MANAGER





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: HKGH00726356

TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS ON GROUP (A)

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-07^{c1}.

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

<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
4.27	TOY CHESTS	NA





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: HKGH00726356

TESTS CONDUCTED

<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 AND 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 : JUN 21, 2008

TESTING PERIOD : JUN 21, 2008 TO JUL 29, 2008





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: HKGH00726356

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

DATE SAMPLE RECEIVED : JUN 21, 2008
TESTING PERIOD : JUN 21, 2008 TO JUL 29, 2008

3 TOXIC ELEMENTS ANALYSIS ON 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.

	<u>RESULT IN ppm</u>		<u>LIMIT</u>
	(1)	(2)	ppm
TOTAL LEAD (Pb)	13	<10	600
SOL. BARIUM (Ba)	<5	<5	1000
SOL. LEAD (Pb)	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	25

SOL. = SOLUBLE

< = LESS THAN

ppm = PARTS PER MILLION BASED ON DRY WEIGHT OF SAMPLE

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

DATE SAMPLE RECEIVED : JUN 21, 2008
TESTING PERIOD : JUN 21, 2008 TO JUL 07, 2008





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: HKGH00726356

TESTS CONDUCTED

4 TOXIC ELEMENTS ANALYSIS IN COATINGS OF GROUP (A)

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

	<u>RESULT IN ppm</u>		<u>LIMIT</u>
	<u>(1)</u>	<u>(2)</u>	<u>ppm</u>
SOL. BARIUM (Ba)	<5	<5	1000
SOL. LEAD (Pb)	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	25

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

TESTED COMPONENTS :

- (1) PINK COATING ON PLASTIC (BODY) (SAMPLE WEIGHT: 26mg).
- (2) SILVER COLOR COATING ON PLASTIC (BODY) (SAMPLE WEIGHT: 16mg).

DATE SAMPLE RECEIVED : JUN 21, 2008
TESTING PERIOD : JUN 21, 2008 TO JUL 07, 2008





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: HKGH00726356

TESTS CONDUCTED

5 TOTAL LEAD (Pb) CONTENT IN GROUP (B)

AS PER SECTION 4.3.5 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-07^{e1}. ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>TESTED SAMPLE</u>	<u>RESULT IN ppm</u>	<u>LIMIT (ppm)</u>
(3)	14	600
(4)	<10	600

ppm = PARTS PER MILLION BASED ON DRY WEIGHT OF SAMPLE
< = LESS THAN

REMARK : SINCE SUFFICIENT SAMPLE WEIGHT OF COATING FOR TOTAL LEAD CONTENT COULD NOT BE OBTAINED FROM THE SUBMITTED SAMPLE, PAINTS WERE USED FOR THE TOTAL LEAD CONTENT ANALYSIS AND THE COATING OBTAINED WAS USED FOR SOLUBLE ELEMENTS ANALYSIS.

DATE SAMPLE RECEIVED : JUN 21, 2008
TESTING PERIOD : JUN 21, 2008 TO JUL 07, 2008





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: HKGH00726356

TESTS CONDUCTED

6 SOLUBLE LEAD (Pb) CONTENT IN GROUP (A)

AS PER CLIENT'S REQUEST, ACID DIGESTION 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
(5)	<5	250
(6)	<5	250
(7)	<5	250
(8)	<5	250
(9)	<5	250
(10)	<5	250

ppm = PARTS PER MILLION
< = LESS THAN

TESTED COMPONENTS :

- (1) SILVER COLOR PLATED METAL (CLASP).
- (2) SILVER COLOR PLATED METAL (CHAIN).
- (3) SILVER COLOR PLATED METAL (LARGE RING).
- (4) SILVER COLOR PLATED METAL (SMALL RING).
- (5) RED PLASTIC (BUTTON).
- (6) YELLOW PLASTIC (BODY).
- (7) PAPER LABEL WITH PLASTIC FILM (STICKER).
- (8) TRANSPARENT PLASTIC (SCREEN).
- (9) BLACK PLASTIC (SWITCH).
- (10) SILVER COLOR METAL (SCREW).

DATE SAMPLE RECEIVED : JUN 21, 2008

TESTING PERIOD : JUN 21, 2008 TO JUL 07, 2008

END OF REPORT

