



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: HKGH00709427

APPLICANT: On file

DATE: Jun 25, 2008

SAMPLE DESCRIPTION:

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

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

ITEM NO. : **0215.**

REFERENCE NO. : 0217.

LABELLED AGE GROUP : AGES 8+.

PACKAGING PROVIDED : YES.

BY APPLICANT

VENDOR : SUN WING MING INDUSTRIAL LTD.

COUNTRY OF ORIGIN : CHINA.

QUANTITY : 3 SETS.

(B) TWO SAMPLES OF PAINT FOR (A) USE :

(1) BLACK (BUTTON).

(2) WHITE (BUTTON).

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





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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
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SILVER COLOR COATING ON TOXIC ELEMENTS TEST PLASTIC (CHALKBOARD) OF GROUP (A) /GROUP (B)	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^{c1}.

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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TESTS CONDUCTED

<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 ¹	NA
4.39	MAGNETS ¹	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 : ¹ CLAUSE 4.38 & 4.39 ARE OUTSIDE THE SCOPE OF HOKLAS ACCREDITATION.

DATE SAMPLE RECEIVED : MAY 22, 2008
TESTING PERIOD : MAY 22, 2008 TO JUN 10, 2008





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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 : DID NOT IGNITE

DATE SAMPLE RECEIVED : MAY 22, 2008
TESTING PERIOD : MAY 22, 2008 TO JUN 10, 2008

3 TOXIC ELEMENTS ANALYSIS

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.

ON SILVER COLOR COATING OF PLASTIC (CHALKBOARD) OF GROUP (A)

	<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





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ON GROUP (B)

	<u>RESULT IN ppm</u>		<u>LIMIT</u>
	<u>(1)</u>	<u>(2)</u>	<u>ppm</u>
TOTAL LEAD (Pb)	<10	<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 SAMPLES WERE LESS THAN 10mg, PAINTS WERE USED FOR THE TOXIC ELEMENTS ANALYSIS.

DATE SAMPLE RECEIVED : MAY 22, 2008 AND JUN 19, 2008

TESTING PERIOD : MAY 22, 2008 TO JUN 23, 2008





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TESTS CONDUCTED

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

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 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
(11)	<5	250

ppm = PARTS PER MILLION
< = LESS THAN

TESTED COMPONENTS :

- (1) PAPER SHEET WITH BLACK PRINTING (INSTRUCTION SHEET).
- (2) DARK GREY PLASTIC (CONTROL, CHALKBOARD).
- (3) OFF WHITE PLASTIC EXCLUDING SILVER COLOR COATING (CHALKBOARD).
- (4) TRANSPARENT PLASTIC (SCREEN).
- (5) PAPER LABEL WITH PLASTIC FILM.
- (6) TRANSPARENT YELLOW PLASTIC (BUTTON).
- (7) TRANSPARENT HOT PINK PLASTIC (BUTTON).
- (8) TRANSPARENT PINK PLASTIC (BUTTON).
- (9) TRANSPARENT GREEN PLASTIC (BUTTON).
- (10) TRANSPARENT PLASTIC SHEET (CHALKBOARD).
- (11) YELLOW PLASTIC (CONTROL).

DATE SAMPLE RECEIVED : MAY 22, 2008
TESTING PERIOD : MAY 22, 2008 TO JUN 19, 2008

END OF REPORT

