

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 of Certification Laboratories
Hong Kong Toys Council

TEST REPORT

NUMBER: HJ00250797

APPLICANT: EDUCATIONAL INSIGHTS INC
18730 S. WILMINGTON AVE
RANCHO DOMINGUEZ
CA 90220-5903
USA

DATE: Nov 02, 2004

ATTN: PEGGY GAVELDA / MARIA GONZALES

SAMPLE DESCRIPTION:

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

- (A) ITEM NO./ITEM NAME : **EI-1472 LOWERCASE ALPHABET.**
EI-1473 UPPER CASE ALPHABET.
EI-1474 NUMBERS AND MATCH SYMBOLS.
EI-1645 JUMBO LOWERCASE.
EI-1646 JUMBO UPPERCASE.
EI-1647 JUMBO NUMBERS AND MATH SYMBOLS.

QUANTITY : SIXTEEN PIECES.

LABELLED AGE GROUP : AGES 4+.

PACKAGING PROVIDED : YES.

BY APPLICANT

COUNTRY OF ORIGIN : CHINA.

(B) ONE SAMPLE OF BLACK PAINT (BASE OF CASE) FOR (A) USE.

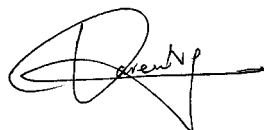
TESTS CONDUCTED:

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

TO BE CONTINUED

PREPARED AND CHECKED BY:

FOR INTERTEK TESTING SERVICES HK LTD.



KAREN S.C. NG
GENERAL MANAGER

Hong Kong Government Recognized Service Supplier
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CONCLUSION:

<u>TESTED SAMPLES</u>	<u>STANDARD - U.S. ASTM F963-03</u>	<u>RESULT</u>
GROUP (A)	PHYSICAL AND MECHANICAL TESTS	PASS

FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
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GROUP (B)	TOXIC ELEMENTS TEST	PASS
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PREPARED AND CHECKED BY:
FOR INTERTEK TESTING SERVICES HK LTD.



KAREN S.C. NG
GENERAL MANAGER

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TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS ON GROUP (A)

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-03.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : AGES 4 AND UP.

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>
4.5	SOUND-PRODUCING TOYS	NA
4.6	SMALL OBJECTS	P
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

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<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
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
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
5	LABELLING REQUIREMENT	P
6	INSTRUCTIONAL LITERATURE	P
7	PRODUCER'S MARKINGS	
	- NAME OF PRODUCER/DISTRIBUTOR (TOY)	YES
	- ADDRESS (TOY)	YES

REMARK : THE SUBMITTED SAMPLES WERE UNDERGONE THE TESTS IN ACCORDANCE WITH SECTION 8.5 THROUGH SECTION 8.18 AND 8.20 THROUGH 8.23 ON NORMAL USE, ABUSE AND SPECIFIC TESTS FOR DIFFERENT TYPES OF TOYS WHICHEVER IS APPLICABLE.

P = PASS

NA = NOT APPLICABLE

DATE SAMPLE RECEIVED : JUN 30, 2004 AND OCT 26, 2004

TESTING PERIOD : JUN 30, 2004 TO JUL 14, 2004,

OCT 26, 2004 TO NOV 01, 2004

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2 FLAMMABILITY TEST ON GROUP (A)

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-03.

<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)
CASE	CORNER	2.0	60	0.03	0.10

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

DATE SAMPLE RECEIVED : JUN 30, 2004
 TESTING PERIOD : JUN 30, 2004 TO JUL 14, 2004

3 TOXIC ELEMENTS ANALYSIS ON GROUP (B)

AS PER SECTION 4.3.5 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-03, 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 BASED ON DRY WEIGHT OF SAMPLE

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REMARK : SINCE THE COATING OF THE SUBMITTED SAMPLE WAS LESS THAN
10mg, PAINT WAS USED FOR THE TOXIC ELEMENTS ANALYSIS.

DATE SAMPLE RECEIVED : JUN 30, 2004

TESTING PERIOD : JUN 30, 2004 TO JUL 07, 2004

END OF REPORT