



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

Members of :

American National Standards Institute  
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British Standards Institute

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

**TEST REPORT**

NUMBER: HKGH00907552

APPLICANT: BETTER INDEED LLC  
30 MAIN STREET UNIT 10-G  
BROOKLYN NY 11201  
USA  
ATTN: DAVID SCHOENBERGER

DATE: Aug 31, 2009

**SAMPLE DESCRIPTION:**

SIX (6) SETS OF SUBMITTED SAMPLE SAID TO BE :  
ITEM NAME : **A BOARD GAME CALLED "FAMILY MATTERS".**  
REFERENCE NO. : FM002.  
LABELLED AGE GROUP : AGE EDAD 6+.  
PACKAGING PROVIDED BY : YES.  
APPLICANT  
BUYER : HASBRO FAR EAST LIMITED.  
MANUFACTURER : BETTER INDEED LLC.  
COUNTRY OF ORIGIN : USA (DICE MADE IN CHINA).

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**TESTS CONDUCTED:**

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

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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 F963-08</u>	<u>RESULT</u>
SUBMITTED SAMPLE SETS	PHYSICAL AND MECHANICAL TESTS	PASS

FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
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TESTED COMPONENTS OF SUBMITTED SAMPLE SETS	TOXIC ELEMENTS TEST	PASS
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<u>TESTED SAMPLES</u>	<u>STANDARD</u>	<u>RESULT</u>
TESTED COMPONENTS OF SUBMITTED SAMPLE SETS	U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R. 4040) TITLE I, SECTION 101 FOR TOTAL LEAD CONTENT IN NON-SURFACE COATING MATERIALS (SUBSTRATE)	PASS

U.S. CODE OF FEDERAL REGULATIONS TITLE 16 CFR 1303 FOR TOTAL LEAD CONTENT IN SURFACE COATING	PASS
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U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R. 4040) TITLE I, SECTION 101 FOR TOTAL LEAD CONTENT IN SURFACE COATING	PASS
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U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R.4040)TITLE I, SECTION 108 REQUIREMENT ON PHTHALATE	PASS
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REMARK:

AS REQUESTED BY THE APPLICANT, PHTHALATE TEST WAS CONDUCTED ONLY ON COMPONENTS LISTED IN THIS REPORT. OTHER COMPONENTS WERE NOT TESTED.

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FOR AND ON BEHALF OF :  
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TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-08.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : AGES OVER 6 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	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	NA
4.26	TOYS INTENDED TO BE ATTACHED TO A CRIB OR PLAYPEN	NA
4.27	STUFFED AND BEANBAG-TYPE TOYS	NA





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<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.28	STROLLER AND CARRIAGE TOYS	NA
4.29	ART MATERIALS	NA
4.30	TOY GUN MARKING	NA
4.31	BALLOONS	NA
4.32	CERTAIN TOYS WITH SPHERICAL ENDS	NA
4.33	MARBLES	NA
4.34	BALLS	NA
4.35	POMPOMS	NA
4.36	HEMISPHERIC-SHAPED OBJECTS	NA
4.37	YOYO ELASTIC TETHER TOYS	NA
4.38	MAGNETS	NA
4.39	JAW ENTRAPMENT IN HANDLES AND STEERING WHEELS	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

DATE SAMPLE RECEIVED : AUG 21, 2009  
 TESTING PERIOD : AUG 21, 2009 TO AUG 26, 2009

2 FLAMMABILITY TEST

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-08.

<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)
CAR	EDGE	1.0	60	0.02	0.10

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

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TESTS CONDUCTED

3 TOXIC ELEMENTS ANALYSIS

AS PER SECTION 4.3.5 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-08, 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)	
TOTAL LEAD (Pb)	<10	<10	<10	<10	90
SOL. BARIUM (Ba)	<5	<5	<5	<5	1000
SOL. LEAD (Pb)	<5	<5	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	<2.5	<2.5	25

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

TESTED COMPONENTS :

- (1) COATINGS ON PAPER SHEET (STORAGE BOX ARTWORK).
- (2) COATINGS ON PAPER SHEET (PLAYING MAT).
- (3) COATINGS ON PAPER CARD (PLAYING CARD).
- (4) COATINGS (BLACK, WHITE) ON PAPER SHEET (INSTRUCTION SHEET).

DATE SAMPLE RECEIVED : AUG 21, 2009  
 TESTING PERIOD : AUG 21, 2009 TO AUG 28, 2009

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TESTS CONDUCTED

4 TOXIC ELEMENTS ANALYSIS (TOTAL LEAD CONTENT)

AS PER SECTION 4.3.5.1 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-08. ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

RESULT : 26ppm

LIMIT : 90ppm

ppm = PARTS PER MILLION

TESTED COMPONENT : BLACK COATING ON PLASTIC (DICE).

REMARK : SINCE THE SAMPLE WEIGHT OF COATINGS OF THE TESTED COMPONENT WAS LESS THAN 10 mg, SOLUBLE HEAVY METALS CONTENT ANALYSIS WERE NOT APPLICABLE.

DATE SAMPLE RECEIVED : AUG 21, 2009

TESTING PERIOD : AUG 21, 2009 TO AUG 28, 2009

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TESTS CONDUCTED

5 TOTAL LEAD (Pb) CONTENT IN NON-SURFACE COATING MATERIALS (SUBSTRATE)

AS PER U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R. 4040), TITLE I, SECTION 101 FOR CHILDREN'S PRODUCTS CONTAINING LEAD, ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>TESTED COMPONENT</u>	<u>RESULT IN ppm</u>	<u>LIMIT IN ppm</u>
(1)	<10	300
(2)	<10	300
(3)	<10	300
(4)	<10	300
(5)	<10	300
(6)	<10	300

AS OF AUGUST 14, 2011, THE LIMIT FOR TOTAL LEAD CONTENT WILL BE LOWERED TO 100 ppm UNLESS THE CPSC DETERMINES THAT A LIMIT OF 100 ppm IS NOT TECHNOLOGICALLY FEASIBLE FOR A PRODUCT OR PRODUCT CATEGORY.

REMARK :

ppm = PARTS PER MILLION  
< = LESS THAN

TESTED COMPONENTS :

- (1) BLACK PLASTIC (CAR).
- (2) WHITE PLASTIC (DICE).
- (3) PAPER SHEET EXCLUDING COATINGS (STORAGE BOX ARTWORK).
- (4) PAPER SHEET EXCLUDING COATINGS (PLAYING MAT).
- (5) PAPER CARD EXCLUDING COATINGS (PLAYING CARD).
- (6) PAPER SHEET EXCLUDING COATINGS (BLACK, WHITE) (INSTRUCTION SHEET).

DATE SAMPLE RECEIVED : AUG 21, 2009

TESTING PERIOD : AUG 21, 2009 TO AUG 28, 2009

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TESTS CONDUCTED

6 TOTAL LEAD (Pb) CONTENT IN SURFACE COATING

AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 CFR 1303 AND U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R. 4040), TITLE I, SECTION 101 FOR CHILDREN'S PRODUCTS CONTAINING LEAD, ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

<u>TESTED COMPONENT</u>	<u>RESULT IN ppm</u>	<u>LIMIT IN ppm</u>
(1)	26	90
(2)	<10	90
(3)	<10	90
(4)	<10	90
(5)	<10	90

REMARK :

ppm = PARTS PER MILLION  
< = LESS THAN

TESTED COMPONENTS :

- (1) BLACK COATING ON PLASTIC (DICE).
- (2) COATINGS ON PAPER SHEET (STORAGE BOX ARTWORK).
- (3) COATINGS ON PAPER SHEET (PLAYING MAT).
- (4) COATINGS ON PAPER CARD (PLAYING CARD).
- (5) COATINGS (BLACK, WHITE) ON PAPER SHEET (INSTRUCTION SHEET).

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7 PHthalate Content Test

WITH REFERENCE TO ASTM D3421, BY GAS CHROMATOGRAPHIC-MASS SPECTROMETRIC (GC-MS) ANALYSIS.

	<u>RESULT (% , w/w)</u>			<u>LIMIT (% , w/w)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(MAX.)</u>
DIBUTYL PHTHALATE (DBP)	<0.01	<0.01	<0.01	0.1
DIETHYL HEXYL PHTHALATE (DEHP)	<0.01	<0.01	<0.01	0.1
BENZYL BUTYL PHTHALATE (BBP)	<0.01	<0.01	<0.01	0.1

	<u>RESULT (% , w/w)</u>			<u>LIMIT (% , w/w)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(MAX.)</u>
DI-ISO-NONYL PHTHALATE (DINP)	<0.01	<0.01	<0.01	0.1
DI-N-OCTYL PHTHALATE (DNOP)	<0.01	<0.01	<0.01	0.1
DI-ISO-DECYL PHTHALATE (DIDP)	<0.01	<0.01	<0.01	0.1

	<u>RESULT (% , w/w)</u>			<u>LIMIT (% , w/w)</u>
	<u>(4)</u>	<u>(5)</u>	<u>(6/7)</u>	<u>(MAX.)</u>
DIBUTYL PHTHALATE (DBP)	<0.01	<0.01	<0.01	0.1
DIETHYL HEXYL PHTHALATE (DEHP)	<0.01	<0.01	<0.01	0.1
BENZYL BUTYL PHTHALATE (BBP)	<0.01	<0.01	<0.01	0.1

	<u>RESULT (% , w/w)</u>			<u>LIMIT (% , w/w)</u>
	<u>(4)</u>	<u>(5)</u>	<u>(6/7)</u>	<u>(MAX.)</u>
DI-ISO-NONYL PHTHALATE (DINP)	<0.01	<0.01	<0.01	0.1
DI-N-OCTYL PHTHALATE (DNOP)	<0.01	<0.01	<0.01	0.1
DI-ISO-DECYL PHTHALATE (DIDP)	<0.01	<0.01	<0.01	0.1

REMARK : THE ABOVE LIMIT WAS QUOTED ACCORDING TO US CONSUMER PRODUCT SAFETY IMPROVEMENT ACT 2008 (H.R.4040) FOR PROHIBITION ON SALE OF CERTAIN PRODUCTS CONTAINING SPECIFIED PHTHALATES.

DETECTION LIMIT = 0.01% (w/w)  
 < = LESS THAN

TESTED COMPONENTS :

- (1) BLACK COATING ON PLASTIC (DICE).
- (2) COATINGS ON PAPER SHEET (STORAGE BOX ARTWORK).
- (3) COATINGS ON PAPER SHEET (PLAYING MAT).
- (4) COATINGS ON PAPER CARD (PLAYING CARD).
- (5) COATINGS (BLACK, WHITE) ON PAPER SHEET (INSTRUCTION SHEET).
- (6) BLACK PLASTIC (CAR).
- (7) WHITE PLASTIC (DICE).

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END OF REPORT

