



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: HKGH00745508

APPLICANT: On file

DATE: Aug 08, 2008

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE :

ITEM NAME : RUBIK REVOLUTION MICRO EDITION KEYCHAIN GAME.
ITEM NO. : 3010.
LABELLED AGE GROUP : AGES 5 TO 105!.
PACKAGING PROVIDED BY : YES.
APPLICANT
COUNTRY OF ORIGIN : CHINA.

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: HKGH00745508

CONCLUSION:

<u>TESTED SAMPLES</u> <u>SUBMITTED SAMPLE</u>	<u>STANDARD - U.S. ASTM F963-07^{e1}</u> <u>PHYSICAL AND MECHANICAL TESTS</u>	<u>RESULT</u> <u>PASS</u>
	SECTION 4.25 & 6.6 BATTERY-OPERATED TOYS EXCLUDING SECTION 4.25.10 FOR BATTERY- POWERED RIDE-ON TOYS	PASS
	FLAMMABILITY TEST OF MATERIALS OTHER THAN TEXTILE MATERIALS	PASS
COATINGS OF SUBMITTED SAMPLE	TOXIC ELEMENTS TEST	NOT APPLICABLE

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: HKGH00745508

TESTS CONDUCTED

1 PHYSICAL AND MECHANICAL TESTS

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

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING: FOR AGES OVER 5 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	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)	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	P
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





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: HKGH00745508

TESTS CONDUCTED

<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
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
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





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: HKGH00745508

TESTS CONDUCTED

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 : JUL 29, 2008

TESTING PERIOD : JUL 29, 2008 TO AUG 05, 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: HKGH00745508

TESTS CONDUCTED

2 BATTERY-OPERATED TOYS

AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY F963-07^{c1} SECTION 4.25, 5.15 & 6.6.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING: FOR AGES OVER 5 YEARS.

<u>SECTION</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4.25.1	BATTERY MARKING	P
4.25.2	MAXIMUM ALLOWABLE DIRECT CURRENT POTENTIAL	P
4.25.3	PROTECTION AGAINST CHARGING NON-RECHARGEABLE BATTERY	P
4.25.4	ACCESSIBLE BATTERIES	NA
4.25.5	ACCESSIBLE BATTERIES THAT CAN FIT COMPLETELY WITHIN SMALL PART CYLINDER	P
4.25.6	ISOLATION OF BATTERIES OF DIFFERENT TYPES OR CAPACITIES	NA
4.25.7	TEMPERATURE OF BATTERY SURFACE	P
4.25.8	TEMPERATURE OF BATTERY SURFACE OR COMBUSTION HAZARD AFTER NORMAL USE AND ABUSE TEST	P
4.25.9	INSTRUCTION REQUIREMENT	P
	- 5.15 NON-REPLACEABLE BATTERIES	NA
	- 6.6 INSTRUCTION ON SAFE BATTERY USAGE	P
4.25.10	BATTERY-POWERED RIDE ON TOYS	NA

REMARK : P = PASS

NA = NOT APPLICABLE

DATE SAMPLE RECEIVED : JUL 29, 2008

TESTING PERIOD : JUL 29, 2008 TO AUG 05, 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: HKGH00745508

TESTS CONDUCTED

3 FLAMMABILITY TEST

AS PER SECTION 4.2 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-07^{e1}.

<u>SAMPLE</u>	<u>IGNITION POINT</u>	<u>BURN LENGTH (INCH)</u>	<u>TIME (SEC)</u>	<u>ACTUAL BURN RATE (INCH/SEC)</u>	<u>LIMIT (INCH/SEC)</u>
CUBE	CORNER	0.5	60	0.01	0.10

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

DATE SAMPLE RECEIVED : JUL 29, 2008
TESTING PERIOD : JUL 29, 2008 TO AUG 05, 2008

4 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.

ASSESSMENT : NOT APPLICABLE.

REMARK : SINCE NO SCRAPABLE SURFACE COATING WAS FOUND ON THE SUBMITTED SAMPLE, THE TESTED SCOPE OF ASTM F963 SECTION 4.3.5 WAS NOT APPLICABLE TO SUBMITTED SAMPLE.

DATE SAMPLE RECEIVED : JUL 29, 2008
TESTING PERIOD : JUL 29, 2008 TO JUL 31, 2008

END OF REPORT

