



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: HKGH00956734

APPLICANT: IMAGABILITY INC.
PO BOX 540
EL DORADO
CALIFORNIA 95623
USA
ATTN: ROCK MCKINLEY

DATE: JUNE 10, 2012

SAMPLE DESCRIPTION:

SIX (6) SETS OF SUBMITTED SAMPLES SAID TO BE:
ITEM NAME : WEDGITS IMAGINATION SERIES (PLASTIC BLOCKS TOYS
CONSTRUCTED OF HIGH IMPACT POLYSTYRENE PLASTIC.)
REFERENCE NO(S). : 300651, 300652, 300653
LABELLED AGE GROUP : AGES 3+
PACKAGING PROVIDED BY : YES
APPLICANT
BUYER : ROCK MCKINLEY
COUNTRY OF ORIGIN : CHINA

TESTS CONDUCTED:

AS REQUESTED BY 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



PAGE 1 OF 8



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CONCLUSION:

| <u>TESTED SAMPLES</u> | <u>STANDARD</u> | <u>RESULT</u> |
|---|---|---------------|
| SUBMITTED SAMPLE SETS | EN-71 PART 1 : 2005 AND A8 : 2009 FOR MECHANICAL AND PHYSICAL PROPERTIES EXCLUDING CLAUSE 7.1 | PASS |
| TESTED COMPONENTS OF SUBMITTED SAMPLE SETS | EN-71 PART 3 : 1994 AND AMENDMENT A1 : 2000 AND AC : 2002 | PASS |
| | EUROPEAN COUNCIL DIRECTIVE 91 / 338 / EEC FOR TOTAL CADMIUM CONTENT | PASS |
| | NETHERLANDS CADMIUM DECREE WMS 1999 NO. 149 FOR TOTAL CADMIUM CONTENT | PASS |
| | SWEDISH ORDINANCE SFS 1998 : 944 FOR TOTAL CADMIUM CONTENT | PASS |
| | UK ENVIRONMENTAL PROTECTION (CONTROLS ON INJUROUS SUBSTANCES) (NO. 2) REGULATIONS 1993 NO. 1643 FOR TOTAL CADMIUM CONTENT | PASS |
| | GERMAN CHEMICALS PROHIBITION ORDINANCE PARAGRAPH 18 FOR TOTAL CADMIUM CONTENT | PASS |

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

KAREN S.C. NG
GENERAL MANAGER



PAGE 2 OF 8

Intertek Testing Services Hong Kong Ltd.

2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Tel: (852) 2173 8888 Fax: (852) 2786 1903 Website: www.intertek.com



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TESTS CONDUCTED:

1 MECHANICAL AND PHYSICAL TEST

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN-71 : 2005 + A8 : 2009. APPLICANT'S SPECIFIED AGE FOR TESTING: AGES OVER 3 YEARS.

| <u>CLAUSE</u> | <u>TESTING ITEMS</u> | <u>ASSESSMENT</u> |
|---------------|--|-------------------|
| 4* | GENERAL REQUIREMENTS | P |
| 5* | TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS | P |
| 6 | PACKAGING | NA |
| 7 | WARNINGS AND INSTRUCTIONS FOR USE | # |

REMARK : P = PASS NA = NOT APPLICABLE

* = THE FOLLOWING SUBCLAUSES OF CLAUSE 4 AND 5 (NOTE) OF THE STANDARD WERE APPLICABLE :-

- 1) 4.1 MATERIALS – CLEANLINESS VISUAL EXAMINATION.
- 2) 4.7 EDGES.
- 3) 4.8 POINTS AND METALIC WIRES.
- 4) 5.1 GENERAL REQUIREMENTS

NOTE : THE SUBMITTED SAMPLES WERE UNDERGONE THE ABUSE TESTS FOR CLAUSE 5.1 IN ACCORDING TO 8.3 (TORQUE TEST), 8.4 (TENSION TEST), 8.5 (DROP TEST), 8.7 (IMPACT TEST), 8.8 (COMPRESSION TEST), AND SPECIFIC TESTS FOR DIFFERENT TYPES OF TOYS WHICHEVER APPLICABLE.

= THE ITEM SHALL BE LABELLED WITH THE NAME AND ADDRESS OF THE IMPORTER IN EEC OR ON THE TOY OR ON ITS PACKAGING TOGETHER WITH A CE MARKING (THAT COMPLIES WITH REQUIREMENT OF 93 / 68 /EEC). IF THIS INFORMATION WAS NOT FIXED TO THE TOY ITSELF, IT SHOULD BE ACCOMPANIED BY A NOTICE IN ADVISING THE PURCHASER TO RETAIN IT.

DATE SAMPLE RECEIVED : MAY 23, 2012
TESTING PERIOD : MAY 23, 2012 TO MAY 29, 2012





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TESTS CONDUCTED:

- 2 **TOXIC ELEMENT ANALYSIS**
AS PER EUROPEAN STANDARDS ON SAFETY OF TOYS EN-71 PART 3 : 1994 AND AMMENDMENT
A1 : 2000 AND AC : 2002 ACID EXTRACTION METHOD WAS USED AND TOXIC ELEMENTS CONTENT
WERE DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

| | <u>RESULT IN mg/kg</u> | | | | | | | | | | | | | | <u>LIMIT</u> |
|-------------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | <u>(1)</u> | <u>(2)</u> | <u>(3)</u> | <u>(4)</u> | <u>(5)</u> | <u>(6)</u> | <u>(7)</u> | <u>(8)</u> | <u>(9)</u> | <u>(10)</u> | <u>(11)</u> | <u>(12)</u> | <u>(13)</u> | <u>(14)</u> | <u>mg/kg</u> |
| SOL BARIUM (Ba) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1000 |
| SOL LEAD (Pb) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 90 |
| SOL CADMIUM (Cd) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 75 |
| SOL ANTIMONY (Sb) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 60 |
| SOL SELENIUM (Se) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 500 |
| SOL CHROMIUM (Cr) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 60 |
| SOL MERCURY (Hg) | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 60 |
| SOL ARSENIC (As) | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 25 |

SOL. = SOLUBLE

< = LESS THAN

mg/kg = MILLOGRAM PER KILOGRAM

TESTED COMPONENTS :

- (1) SMALL WHITE DIAMOND (BLOCK)
- (2) LARGE WHITE DIAMOND (BLOCK)
- (3) SMALL GREEN SQUARE (BLOCK)
- (4) YELLOW SQUARE (BLOCK)
- (5) BLUE SQUARE (BLOCK)
- (6) RED SQUARE (BLOCK)
- (7) LARGE GREEN SQUARE (BLOCK)
- (8) SMALL STRAIGHT WHITE EXTRUSION (BLOCK)
- (9) LARGE STRAIGHT WHITE EXTRUSION (BLOCK)
- (10) 90-DEGREE ANGLE WHITE EXTRUSION (BLOCK)
- (11) SILVER BAR (BLOCK)
- (12) BLACK BAR (BLOCK)
- (13) GREEN BASE PLATE (BLOCK PEDESTAL)
- (14) PAPER SHEET WITH COATINGS (INSTRUCTIONS)

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PAGE 4 OF 8



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TESTS CONDUCTED:

- 3 **TOTAL CADMIUM (Cd) CONTENT**
ACID DIGESTION METHOD WAS USED AND TOTAL CADMIUM CONTENT WAS DETERMINED BY
INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

| <u>TESTED COMPONENT</u> | <u>RESULT IN %</u> | <u>LIMIT IN %</u> |
|-------------------------|--------------------|-------------------|
| (1) | <0.0005 | <0.01 |
| (2) | <0.0005 | <0.01 |
| (3) | <0.0005 | <0.01 |
| (4) | <0.0005 | <0.01 |
| (5) | <0.0005 | <0.01 |
| (6) | <0.0005 | <0.01 |
| (7) | <0.0005 | <0.01 |
| (8) | <0.0005 | <0.01 |
| (9) | <0.0005 | <0.01 |
| (10) | <0.0005 | <0.01 |
| (11) | <0.0005 | <0.01 |
| (12) | <0.0005 | <0.01 |
| (13) | <0.0005 | <0.01 |

TESTED COMPONENTS :

- (1) SMALL WHITE DIAMOND (BLOCK)
- (2) LARGE WHITE DIAMOND (BLOCK)
- (3) SMALL GREEN SQUARE (BLOCK)
- (4) YELLOW SQUARE (BLOCK)
- (5) BLUE SQUARE (BLOCK)
- (6) RED SQUARE (BLOCK)
- (7) LARGE GREEN SQUARE (BLOCK)
- (8) SMALL STRAIGHT WHITE EXTRUSION (BLOCK)
- (9) LARGE STRAIGHT WHITE EXTRUSION (BLOCK)
- (10) 90-DEGREE ANGLE WHITE EXTRUSION (BLOCK)
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PAGE 5 OF 8



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TESTS CONDUCTED:

- 4 **TOTAL CADMIUM (Cd) CONTENT**
AS PER SWEDISH ORDINANCE SFS 1998 : 944. ACID DIGESTION METHOD WAS USED AND TOTAL CADMIUM CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

| <u>TESTED COMPONENT</u> | <u>RESULT IN (ppm)</u> | <u>LIMIT (ppm)</u> |
|-------------------------|------------------------|--------------------|
| (1) | <5 | <75 |
| (2) | <5 | <75 |
| (3) | <5 | <75 |
| (4) | <5 | <75 |
| (5) | <5 | <75 |
| (6) | <5 | <75 |
| (7) | <5 | <75 |
| (8) | <5 | <75 |
| (9) | <5 | <75 |
| (10) | <5 | <75 |
| (11) | <5 | <75 |
| (12) | <5 | <75 |
| (13) | <5 | <75 |
| (14) | <5 | <75 |

(ppm) = PARTS PER MILLION

< = LESS THAN

TESTED COMPONENTS :

- | | |
|--|---|
| (1) SMALL WHITE DIAMOND (BLOCK) | (2) LARGE WHITE DIAMOND (BLOCK) |
| (3) SMALL GREEN SQUARE (BLOCK) | (4) YELLOW SQUARE (BLOCK) |
| (5) BLUE SQUARE (BLOCK) | (6) RED SQUARE (BLOCK) |
| (7) LARGE GREEN SQUARE (BLOCK) | (8) SMALL STRAIGHT WHITE EXTRUSION (BLOCK) |
| (9) LARGE STRAIGHT WHITE EXTRUSION | (10) 90-DEGREE ANGLE WHITE EXTRUSION |
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