



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: HKGH00940315

APPLICANT: US TOY COMPANY, INC
13201
ARRINGTON ROAD
GRANDVIEW
MO 64030
USA
ATTN: COURTNEY PETERMAN

DATE: Nov 27, 2009

SAMPLE DESCRIPTION:

TWELVE (12) PIECES OF SUBMITTED SAMPLE SAID TO BE :
ITEM NAME : **PUT IT TOGETHER CATERPILLARS.**
REFERENCE NO. : 9517.
LABELLED AGE WARNING : CHOKING HAZARD - SMALL PARTS. NOT FOR CHILDREN UNDER 3
YRS.
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





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CONCLUSION:

<u>TESTED SAMPLES</u>	<u>STANDARD - U.S. ASTM F963-08</u>	<u>RESULT</u>
<u>SUBMITTED SAMPLES</u>	<u>PHYSICAL AND MECHANICAL TESTS</u>	<u>PASS</u>

<u>TESTED SAMPLES</u>	<u>STANDARD</u>	<u>RESULT</u>
<u>TESTED COMPONENTS OF</u>	<u>U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT</u>	<u>PASS</u>
<u>SUBMITTED SAMPLES</u>	<u>ACT 2008 (H.R. 4040) TITLE I, SECTION 101</u>	
	<u>FOR TOTAL LEAD CONTENT IN NON-SURFACE</u>	
	<u>COATING MATERIALS (SUBSTRATE)</u>	
	<u>ILLINOIS LEAD POISONING PREVENTION ACT 410</u>	<u>PASS</u>
	<u>ILCS 45 (PUBLIC ACT 094-0879) FOR TOTAL</u>	
	<u>LEAD CONTENT REQUIREMENT</u>	
	<u>U.S. CONSUMER PRODUCT SAFETY IMPROVEMENT</u>	<u>PASS</u>
	<u>ACT 2008 (H.R.4040)TITLE I, SECTION 108</u>	
	<u>REQUIREMENT ON PHTHALATE</u>	

REMARK:

AS REQUESTED BY THE APPLICANT, THE SURFACE COATINGS WERE TESTED WITH THE SUBSTRATE FOR TOTAL LEAD TEST. WITH THE CONSIDERATION OF THE DILUTION FACTOR, THE TESTING RESULT MAY NOT REPRESENT THE RESULT OF THE INDIVIDUAL COATINGS AND SUBSTRATE.

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

KAREN S.C. NG
GENERAL MANAGER



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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 3 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)	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
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 : NOV 20, 2009
TESTING PERIOD : NOV 20, 2009 TO NOV 25, 2009

2 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.





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TESTS CONDUCTED

ppm = PARTS PER MILLION
< = LESS THAN

TESTED COMPONENTS :

- (1) GREEN PLASTIC WITH COATINGS (BLACK, RED).
- (2) HOT PINK PLASTIC.
- (3) ORANGE PLASTIC.
- (4) LIGHT ORANGE PLASTIC.
- (5) YELLOW PLASTIC.
- (6) LIGHT YELLOW PLASTIC.
- (7) GREEN PLASTIC.

DATE SAMPLE RECEIVED : NOV 20, 2009
TESTING PERIOD : NOV 20, 2009 TO NOV 27, 2009

3 CPSIA H.R.4040 NORMAL AND REASONABLY FORESEEABLE USE AND ABUSE

WITH REFERENCE TO 16 CFR PART 1500.87.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : AGES OVER 3 YEARS.

RESULT : AFTER TESTING, NO INTERNAL COMPONENT WAS EXPOSED AND ACCESSIBLE ON THE SUBMITTED SAMPLES.

DATE SAMPLE RECEIVED : NOV 20, 2009
TESTING PERIOD : NOV 20, 2009 TO NOV 27, 2009

4 TOTAL LEAD (Pb) CONTENT

AS PER ILLINOIS LEAD POISONING PREVENTION ACT 410 ILCS 45 (PUBLIC ACT 094-0879), ACID DIGESTION METHOD WAS USED AND TOTAL LEAD CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

NON-SURFACE COATING

<u>TESTED COMPONENT</u>	<u>RESULT IN %</u>	<u>LIMIT IN %</u>
(1)	<0.001	0.03
(2)	<0.001	0.03
(3)	<0.001	0.03
(4)	<0.001	0.03
(5)	<0.001	0.03
(6)	<0.001	0.03

AS OF AUGUST 14, 2011, THE LIMIT FOR TOTAL LEAD CONTENT IN NON-SURFACE COATING MATERIALS 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.

< = LESS THAN



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TESTS CONDUCTED

TESTED COMPONENTS :

- (1) GREEN PLASTIC WITH COATINGS (BLACK, RED).
- (2) HOT PINK PLASTIC.
- (3) ORANGE PLASTIC.
- (4) LIGHT ORANGE PLASTIC.
- (5) YELLOW PLASTIC.
- (6) LIGHT YELLOW PLASTIC.
- (7) GREEN PLASTIC.

DATE SAMPLE RECEIVED : NOV 20, 2009
TESTING PERIOD : NOV 20, 2009 TO NOV 27, 2009

5 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>(MAX.)</u>
DIBUTYL PHTHALATE (DBP)	<0.01	0.1
DIETHYL HEXYL PHTHALATE (DEHP)	<0.01	0.1
BENZYL BUTYL PHTHALATE (BBP)	<0.01	0.1

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

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

@ = AS PER CLIENT'S REQUEST, THE RESULT ARE REPORTED FOR REFERENCE ONLY.

TESTED COMPONENT : GREEN PLASTIC.

DATE SAMPLE RECEIVED : NOV 20, 2009
TESTING PERIOD : NOV 20, 2009 TO NOV 25, 2009

END OF REPORT

