



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: HKGH00808055

APPLICANT: US TOY COMPANY, INC
13201
ARRINGTON ROAD
GRANDVIEW
MO 64030
USA
ATTN: AARON CHAI

DATE: Jan 05, 2009

SAMPLE DESCRIPTION:

TWENTY-FOUR (24) PIECES OF SUBMITTED SAMPLE SAID TO BE :

ITEM NAME : **PLASTIC FLAG.**
ITEM NO. : **D11.**
VENDOR : WILLY INT'L (DAYA BAY) LTD.
MANUFACTURER : WILLY.
COUNTRY OF ORIGIN : CHINA.

TESTS CONDUCTED:

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

CONCLUSION:

TESTED SAMPLES	STANDARD - U.S. ASTM F963-07 ^{e1}	RESULT
COATINGS OF SUBMITTED SAMPLES	TOXIC ELEMENTS TEST	PASS

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

KAREN S.C. NG
GENERAL MANAGER





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1 TOXIC ELEMENTS ANALYSIS ON COATINGS

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.

	(1)	RESULT IN ppm (2)	(3)	LIMIT ppm
TOTAL LEAD (Pb)	<10	<10	<10	600
SOL. BARIUM (Ba)	112	82	73	1000
SOL. LEAD (Pb)	<5	<5	<5	90
SOL. CADMIUM (Cd)	<5	<5	<5	75
SOL. ANTIMONY (Sb)	<5	<5	<5	60
SOL. SELENIUM (Se)	<5	<5	<5	500
SOL. CHROMIUM (Cr)	<5	<5	<5	60
SOL. MERCURY (Hg)	<5	<5	<5	60
SOL. ARSENIC (As)	<2.5	<2.5	<2.5	25

SOL. = SOLUBLE

< = LESS THAN

ppm = PARTS PER MILLION

TESTED COMPONENTS :

- (1) WHITE COATING ON TRANSPARENT FILM (SAMPLE WEIGHT : 12mg).
- (2) RED COATING ON TRANSPARENT FILM (SAMPLE WEIGHT : 10mg).
- (3) BLUE COATING ON TRANSPARENT FILM (SAMPLE WEIGHT : 10mg).

THE SAMPLE WEIGHT IN BRACKETS WERE FOR SOLUBLE TOXIC ELEMENTS ANALYSIS ONLY.

DATE SAMPLE RECEIVED : DEC 19, 2008

TESTING PERIOD : DEC 19, 2008 TO DEC 31, 2008

END OF REPORT

