

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

KAREN S.C. NG GENERAL MANAGER

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Hong Kong Government Recognized Service Su Approved Laboratory of The Woolmark Compan Members of : American National Standards Institute American Society for Testing and Materials British Standards Institute		ion Limited
TEST REPORT	NUMBER:	HKGH00966202
~	ICANT, FOR DETAILS REFER TO ATTACHED	. ,
CONCLUSION:	רים גרוזא גייי	
SUBMITTED SAMPLES	TANDARD N71 PART 1 : 2005 AND A9 : 2009 OR MECHANICAL AND PHYSICAL PROPERTI XCLUDING CLAUSE 7.1	RESULT PASS ES
	N71 PART 2 : 2006 + A1 : 2007 LAMMABILITY TEST	PASS
SUBMITTED SAMPLES	EN71 PART 3 : 1994 AND AMENDMENT A1 : AND AC : 2002	

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TESTS CONDUCTED

## MECHANICAL AND PHYSICAL TEST 1

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71-1 : 2005 + A9 : 2009.

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

CLAUSE	TESTING ITEMS	ASSESSMENT
4*	GENERAL REQUIREMENTS	Р
5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	NA
6	PACKAGING	NA
7	WARNINGS AND INSTRUCTIONS FOR USE	#1/#2

REMARK : P = PASSNA = NOT APPLICABLE

- THE FOLLOWING SUBCLAUSES OF CLAUSE 4 OF THE STANDARD WERE APPLICABLE:-=
  - 1) 4.1 MATERIALS - CLEANLINESS VISUAL EXAMINATION.
  - 2) 4.7 EDGES.
  - 3) 4.8 POINTS AND METALLIC WIRES.
  - 4) 4.14.1 TOYS WHICH A CHILD CAN ENTER.

#1 THE ITEM SHALL BE LABELLED WITH THE NAME AND ADDRESS OF THE = REPRESENTATIVE OR IMPORTER IN EEC TOGETHER WITH A CE-MARKING ON THE TOY OR ON ITS PACKAGING .IF THIS INFORMATION WAS NOT FIXED TO THE TOY ITSELF, IT SHOULD BE ACCOMPANIED BY A NOTICE IN ADVISING THE PURCHASER TO RETAIN IT.

HOWEVER, AFTER CHECKING OF THE TESTED SAMPLE, IT WAS FOUND THAT

- THE NAME AND ADDRESS OF THE IMPORTER IN EEC WAS MISSED.
- THE CE MARKING WAS NOT IN A CORRECT FORMAT.
- THE NOTICE ADVISING THE PURCHASERS TO RETAIN PACKAGING INFORMATION WAS MISSED.
- #2 APPROPRIATE AGE WARNING STATEMENT, = GRAPHICAL SYMBOL AND THE INDICATION OF HAZARD WAS FOUND ON THE PACKAGING.

DATE SAMPLE RECEIVED : FEB 02, 2010 TESTING PERIOD : FEB 02, 2010 TO FEB 08, 2010 



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## 2 FLAMMABILITY TEST

TEST REPORT

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2 : 2006 + A1 : 2007.

CLAUSE		TESTING ITEMS	ASSESSMENT
4.1		GENERAL	P
4.2		TOYS TO BE WORN ON THE HEAD	NA
4.3		TOY DISGUISE COSTUMES AND TOYS INTENDED TO BE WORN BY A CHILD IN PLAY	NA
4.4		TOYS INTENDED TO BE ENTERED BY A CHILD	NA
4.5		SOFT FILLED TOYS (ANIMAL AND DOLLS ETC.) WITH A PILED OR TEXTILE SURFACE	NA
REMARK	:	P = PASS NA = NOT APPLICABLE	

DATE SAMPLE RECEIVED : FEB 02, 2010 TESTING PERIOD : FEB 02, 2010 TO FEB 08, 2010

## 3 TOXIC ELEMENTS ANALYSIS

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 3 : 1994 AND AMENDMENT A1 : 2000 AND AC : 2002, ACID EXTRACTION METHOD WAS USED AND TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

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



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TESTS (	CONDUCTED							
	SOL. ANTIMONY (Sb) SOL. SELENIUM (Se) SOL. CHROMIUM (Cr)			RESULT I (15) <5 <5 <5 <5 <5 <5 <5 <5 <2.5	(16) <5 <5 <5 <5 <5 <5 <5 <5 <5		<5	LIMIT mg/kg 1000 90 75 60 500 60 60 60 25
	SOL. SELENIUM (Se) SOL. CHROMIUM (Cr)	(19) <5 <5 <5 <5 <5 <5 <5 <5 <2.5	(20) <5 <5 <5 <5 <5 <5 <5 <5 <2.5	RESULT I (21) <5 <5 <5 <5 <5 <5 <5 <5 <2.5	(22) <5 <5 <5 <5 <5 <5 <5 <5	(23) <5 <5 <5 <5 <5 <5 <5 <2.5	<5	LIMIT mg/kg 1000 90 75 60 500 60 60 60 25
	SOL. BARIUM (Ba) SOL. LEAD (Pb) SOL. CADMIUM (Cd) SOL. ANTIMONY (Sb) SOL. SELENIUM (Se) SOL. CHROMIUM (Cr) SOL. MERCURY (Hg) SOL. ARSENIC (As)		<5 <5	RESULT I (27) <5 <5 <5 <5 <5 <5 <5 <5 <2.5	(28) <5 <5 <5 <5 <5 <5 <5 <5	<5 <5 <5	<5 <5 <5	LIMIT mg/kg 1000 90 75 60 500 60 60 60 25
	SOL. BARIUM (Ba) SOL. LEAD (Pb) SOL. CADMIUM (Cd) SOL. ANTIMONY (Sb) SOL. SELENIUM (Se) SOL. CHROMIUM (Cr) SOL. MERCURY (Hg) SOL. ARSENIC (As)	(31 <5 <5 <5 <5 <5 <5 <2.		RESULT IN mg/kg (32) <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <2.5		(33) <5 <5 <5 <5 <5 <5 <5 <2.5		LIMIT mg/kg 1000 90 75 60 500 60 60 25
r	SOL. = SOLUBLE < = LESS THAN mg/kg = MILLIGRAM PER KI *******		* * * * * * * *	* * * * * * * * * *	****	* * * * * * * *	* * * * * * *	****





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TESTS CONDUCTED

TEST REPORT

TESTED COMPONENTS :

- COATINGS (WHITE, YELLOW, RED, BLACK) ON NON-WOVEN (LOGO ON MAT #A1344XX).
  BLACK NON WOVEN FABRIC WITH BLACK THREAD (BINDING, BACK OF MAT #A1387XX,
- #A1361XX, #A1341X2, #A1341X1, #A1344X, #A1388XX, #A1393XX).
- (3) BLACK WOVEN (ZIPPER TAPE OF MAT #A1387XX, #A1344X, #A1388XX).
- (4) BLACK STRING (ZIPPER PULLER OF MAT #A1387XX).
- (5) 26mm BLACK WEBBING (HANDLE OF MAT #A1387XX).
- (6) DARK GREEN NON WOVEN FABRIC WITH DARK GREEN THREAD (BINDING OF MAT #A1342X1, #A1342X2, #A1360XX).
- (7) WHITE WOVEN WITH COATINGS (WHITE, BLACK) (SEWN-IN LABEL).
- (8) DARK BLUE NON WOVEN WITH BLUE THREAD (BINDING, BACK OF #A1378XX, #A1359XX).
- (9) 19mm LIGHT GREEN WEBBING WITH GREEN THREAD (BINDING OF MAT #A1382XX).
- (10) 26mm LIGHT GREEN WEBBING (HANDLE OF MAT #A1382XX).
- (11) GREEN STRING (ZIPPER PULLER #A1382XX).
- (12) GREEN WOVEN (ZIPPER TAPE #A1382XX).
- (13) RED WOVEN WITH WHITE/YELLOW/BLACK/LIGHT YELLOW THREADS STITCHING (LOGO OF #A1382XX).
- (14) RED NON WOVEN FABRIC WITH RED THREAD (BIDNING, BACKING OF MAT #A1383XX, BODY OF MAT #A1344XX, BINDING OF MAT #A1393XX).
- (15) YELLOW NON WOVEN FABRIC WITH YELLOW THREAD (BODY OF MAT #A1344X).
- (16) BLUE NON WOVEN FABRIC (BODY OF MAT #A1344X).
- (17) 24mm BLACK WEBBING (HOLDER OF VELCRO OF #A1388XX).
- (18) BLACK NET (LID #A1388X).
- (19) 19mm YELLOW WEBBING (BINDING OF MAT #A1354X1, #A1354XX).
- (20) YELLOW WOVEN (ZIPPER TAPE #A1354X1, #A1354XX, #A1305XX).
- (21) YELLOW STRING (ZIPPER PULLER #A1354X1, #A1354XX, #A1305XX).
- (22) 26mm YELLOW WEBBING (HANDLE OF MAT #A1354X1, #A1354XX, HOLDER OF VELCRO #A1305XX).
- (23) RED WOVEN (ZIPPER TAPE OF #A1393XX).
- (24) 20mm YELLOW WEBBING (BINDING OF MAT, LID #A1305XX).
- (25) BLACK PLASTIC WITH COATINGS (ORANGE, BLACK) (APE #A1361XX).
- (26) WHITE PLASTIC WITH COATINGS (WHITE, RED, NAVY) (ELEPHANT #A1361XX).
- (27) YELLOW VELCRO (BODY OF MAT #A1305XX).
- (28) YELLOW PLASTIC (ZIPPER TEETH #A1305XX, #A1354XX, #A1354X1).
- (29) RED PLASTIC (ZIPPER TEETH #A1393XX).
- (30) BLACK PLASTIC (ZIPPER TEETH #A1344X, #A1383XX, #A1387XX, #A1388XX).
- (31) TRANSPARENT PLASTIC SHEET (BODY OF ALL MATS).
- (32) BLACK VELCRO (BODY OF MAT #A1387XX, #A1388XX).
- (33) GREEN PLASTIC (ZIPPER TEETH #A1382XX).

REMARK : SINCE THE SAMPLE WEIGHT OF COATING WAS FOUND LESS THAN 10mg, COATING WITH BASE MATERIAL OF TESTED COMPONENTS (7), (25) AND (26) WERE TESTED.

END OF REPORT