



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: HKGH00798845

APPLICANT: GRAPHIC-MIX SUPPLIES LIMITED
RM 1503-6 15/F BLK B
NEW TRADE PLAZA
NO 6 ON PING ST SHATIN
NT HK
ATTN: MS KATY WONG

DATE: Dec 11, 2008

SAMPLE DESCRIPTION:

FOUR (4) TINS OF SUBMITTED SAMPLE SAID TO BE **PRINTING INK:**

- (1)GM-880 PROCESS MAGENTA.
- (2)GM-880 PROCESS YELLOW.
- (3)GM-880 PROCESS CYAN.
- (4)GM-880 PROCESS BLACK.



TESTS CONDUCTED:

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

COMMENT :

THE TESTED RESULTS OF CADMIUM (Cd), LEAD (Pb), MERCURY (Hg), CHROMIUM (VI) (Cr^{6+}), POLYBROMINATED BIPHENYLS (PBBs) & POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT DID NOT EXCEED THE LIMITS AS STATED IN THE EUROPEAN COMMISSION DIRECTIVE 2002/95/EC (RoHS DIRECTIVE) AND AMENDMENT 2005/618/EC.

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

KAREN S.C. NG
GENERAL MANAGER



PAGE 1 OF 4

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



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: HKGH00798845

TESTS CONDUCTED

TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	RESULT		
	(1)	(2)	(3)
CADMIUM (Cd) CONTENT (ppm)	ND (<2)	ND (<2)	ND (<2)
LEAD (Pb) CONTENT (ppm)	ND (<2)	ND (<2)	ND (<2)
MERCURY (Hg) CONTENT (ppm)	ND (<2)	ND (<2)	ND (<2)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (ppm) (FOR NON-METAL)	ND (<1)	ND (<1)	ND (<1)
POLYBROMINATED BIPHENYLS (PBBs)			
MONOBROMOBIPHENYL (MonoBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
DIBROMOBIPHENYL (DiBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
TRIBROMOBIPHENYL (TriBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
TETRABROMOBIPHENYL (TetraBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
PENTABROMOBIPHENYL (PentaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
HEXABROMOBIPHENYL (HexaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
HEPTABROMOBIPHENYL (HeptaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
OCTABROMOBIPHENYL (OctaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
NONABROMOBIPHENYL (NonaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
DECABROMOBIPHENYL (DecaBB) (ppm)	ND (<5)	ND (<5)	ND (<5)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)			
MONOBROMODIPHENYL ETHER (MonoBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
DIBROMODIPHENYL ETHER (DiBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
TRIBROMODIPHENYL ETHER (TriBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
TETRABROMODIPHENYL ETHER (TetraBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
PENTABROMODIPHENYL ETHER (PentaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
HEXABROMODIPHENYL ETHER (HexaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
HEPTABROMODIPHENYL ETHER (HeptaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
OCTABROMODIPHENYL ETHER (OctaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
NONABROMODIPHENYL ETHER (NonaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)
DECABROMODIPHENYL ETHER (DecaBDE) (ppm)	ND (<5)	ND (<5)	ND (<5)



PAGE 2 OF 4



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 : HKGH00798845

TESTS CONDUCTED

TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	RESULT
	(4)
CADMIUM (Cd) CONTENT (ppm)	ND (<2)
LEAD (Pb) CONTENT (ppm)	ND (<2)
MERCURY (Hg) CONTENT (ppm)	ND (<2)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (ppm) (FOR NON-METAL)	ND (<1)
POLYBROMINATED BIPHENYLS (PBBs)	
MONOBROMOBIPHENYL (MonoBB) (ppm)	ND (<5)
DIBROMOBIPHENYL (DiBB) (ppm)	ND (<5)
TRIBROMOBIPHENYL (TriBB) (ppm)	ND (<5)
TETRABROMOBIPHENYL (TetraBB) (ppm)	ND (<5)
PENTABROMOBIPHENYL (PentaBB) (ppm)	ND (<5)
HEXABROMOBIPHENYL (HexaBB) (ppm)	ND (<5)
HEPTABROMOBIPHENYL (HeptaBB) (ppm)	ND (<5)
OCTABROMOBIPHENYL (OctaBB) (ppm)	ND (<5)
NONABROMOBIPHENYL (NonaBB) (ppm)	ND (<5)
DECABROMOBIPHENYL (DecaBB) (ppm)	ND (<5)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	
MONOBROMODIPHENYL ETHER (MonoBDE) (ppm)	ND (<5)
DIBROMODIPHENYL ETHER (DiBDE) (ppm)	ND (<5)
TRIBROMODIPHENYL ETHER (TriBDE) (ppm)	ND (<5)
TETRABROMODIPHENYL ETHER (TetraBDE) (ppm)	ND (<5)
PENTABROMODIPHENYL ETHER (PentaBDE) (ppm)	ND (<5)
HEXABROMODIPHENYL ETHER (HexaBDE) (ppm)	ND (<5)
HEPTABROMODIPHENYL ETHER (HeptaBDE) (ppm)	ND (<5)
OCTABROMODIPHENYL ETHER (OctaBDE) (ppm)	ND (<5)
NONABROMODIPHENYL ETHER (NonaBDE) (ppm)	ND (<5)
DECABROMODIPHENYL ETHER (DecaBDE) (ppm)	ND (<5)

ppm = PARTS PER MILLION BASED ON DRY WEIGHT OF SAMPLE

< = LESS THAN

ND = NOT DETECTED



PAGE 3 OF 4



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: HKGH00798845

TESTS CONDUCTED

(B) RoHS REQUIREMENT :

RESTRICTED SUBSTANCES	LIMITS
CADMIUM (Cd)	0.01% (100 ppm)
LEAD (Pb)	0.1% (1000 ppm)
MERCURY (Hg)	0.1% (1000 ppm)
CHROMIUM (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
POLYBROMINATED BIPHENYLS (PBBs)	0.1% (1000 ppm)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM 2002/95/EC AND AMENDMENT 2005/618/EC FOR HOMOGENEOUS MATERIAL.

(C) TEST METHOD :

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO BS EN1122 / US EPA 3050B/ US EPA3052, BY ACID DIGESTION AND DETERMINED BY ICP-OES	2 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO US EPA 3050B / US EPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO US EPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 ppm
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (FOR NON-METAL)	WITH REFERENCE TO US EPA 3060A & 7196A, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 ppm
POLYBROMINATED BIPHENYLS (PBBs) & POLYBROMINATED DIPHENYL ETHERS (PBDEs)	WITH REFERENCE TO US EPA 3540C, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND HPLC	5 ppm

DATE SAMPLE RECEIVED : NOV 28, 2008

TESTING PERIOD : NOV 28, 2008 TO DEC 10, 2008

END OF REPORT



PAGE 4 OF 4