

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: HKGH00703731 S2

APPLICANT: R & Y ELECTRONIC LIMITED
UNIT 21-22 9/F LEADER IND CTR
57-59 AU PUI WAN STREET
FOTAN SHATIN NT HK

DATE: Jul 09, 2008

ATTN: MR SEATH WONG

THIS IS TO SUPERSEDE REPORT NO.
HKGH00703731 S1 DATED Jun 12,
2008

SAMPLE DESCRIPTION:

TWENTY-TWO (22) SUBMITTED SAMPLES SAID TO BE **PARTS FOR SPEAKER.**

STYLE NO. : FULL SERIES.

COUNTRY OF ORIGIN : PRC.

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) (Cr⁶⁺), 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



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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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(A) 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)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (µg/cm ²) (FOR METAL)	--	ND (<0.02)	--
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)



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TESTING ITEM	RESULT		
	(4)	(5)	(6)
CADMIUM (Cd) CONTENT (ppm)	ND (<2)	ND (<2)	ND (<2)
LEAD (Pb) CONTENT (ppm)	ND (<2)	75	ND (<2)
MERCURY (Hg) CONTENT (ppm)	ND (<2)	ND (<2)	ND (<2)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (ppm) (FOR NON-METAL)	--	--	--
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (µg/cm ²) (FOR METAL)	ND (<0.02)	ND (<0.02)	ND (<0.02)
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)



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TESTING ITEM	RESULT		
	(7)	(8)	(9)
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)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (µg/cm ²) (FOR METAL)	--	--	--
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)



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TESTING ITEM	RESULT		
	(10)	(11)	(12)
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)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (μg/cm ²) (FOR METAL)	--	--	--
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)



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TESTING ITEM	RESULT		
	(13)	(14)	(15)
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)	--
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (µg/cm ²) (FOR METAL)	--	--	ND (<0.02)
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)



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TESTING ITEM	RESULT		
	(16)	(17)	(18)
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)	--
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (μg/cm ²) (FOR METAL)	--	--	ND (<0.02)
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)



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TESTING ITEM	RESULT		
	(19)	(20)	(21)
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)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (μg/cm ²) (FOR METAL)	--	--	--
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)



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TESTING ITEM	RESULT
	(22)
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)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (µg/cm ²) (FOR METAL)	--
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

µg/cm² = MICROGRAM PER SQUARE CENTIMETRE

< = LESS THAN

ND = NOT DETECTED



Members of:

American National Standards Institute
American Society for Testing and Materials
British Standards InstituteHong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council**TEST REPORT**

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TESTED COMPONENTS :

- (1) GREEN PLASTIC (PLASTIC FRAME).
- (2) BLUE COLOR PLATED METAL (METAL FRAME/POLE PIECE/FRONT PLATE/SHIELD CASE).
- (3) DARK GREY COLOR METAL (MAGNET-FERRITE).
- (4) BLUE COLOR PLATED METAL (MAGNET-NdFeB).
- (5) SOLDER.
- (6) COLOR PER COLOR METAL (VOICE COIL WIRE/TINSEL LEADS).
- (7) BROWN PAPER (VOICE COIL BOBBIN).
- (8) YELLOWISH BROWN FABRIC (SPIDER/DAMPER).
- (9) BLACK FELT (DAMPING PIECE).
- (10) BLACK RUBBER (SURROUND/EDGE).
- (11) BLACK PAPER (PAPER DIAPHRAGM/GASKET).
- (12) TRANSPARENT PLASTIC (TRANSPARENT PET/PEI DIAPHRAGM).
- (13) BLACK PLASTIC (BLACK PET/PEI/PP DIAPHRAGM).
- (14) SILVER COLOR PLASTIC (SILVER PET/PEI DIAPHRAGM).
- (15) SILVER COLOR METAL (ALUMINUM DIAPHRAGM).
- (16) SEMI-TRANSPARENT FIBRE BOARD (PCB TERMINAL).
- (17) WHITE PAPER (TERMINAL BOARD).
- (18) SILVER COLOR METAL (TERMINAL RING TONGUE).
- (19) BLACK INK (PRINTING MARKS INK).
- (20) SEMI-TRANSPARENT BROWN GLUE (MAGNET GLUE).
- (21) TRANSPARENT BROWN GLUE (VOICE COIL, SPIDER AND DIAPHRAGM GLUE).
- (22) BLACK GLUE (BLACK TINSEL LEADS GLUE).

(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.



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Hong Kong Toys Council**TEST REPORT**

NUMBER: HKGH00703731 S2

TESTS CONDUCTED

(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
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (FOR METAL)	WITH REFERENCE TO ISO3613, BY BOILING WATER EXTRACTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	0.02µg/cm ²
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 : MAY 14, 2008 AND MAY 23, 2008

TESTING PERIOD : MAY 14, 2008 TO MAY 30, 2008

END OF REPORT



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Hong Kong Toys Council

To: R & Y ELECTRONIC LIMITED

Ref: FC-080-4362

Attention: MR SEATH WONG

Date: Jul 09, 2008

Re : Report Revision Notification

Intertek Testing Services Report Number HKGH00703731 S1

Dated JUN 12, 2008.

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, HKGH00703731 S2.

Thank you for your attention.

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



KAREN S.C. NG
GENERAL MANAGER