

TO BE CONTINUED

PREPARED AND CHECKED BY: FOR INTERTEK TESTING SERVICES LTD., SHANGHAI

MYRA LV CHEMICAL DIVISION MANAGER AUTHORIZED BY: FOR INTERTEK TESTING SERVICES LTD., SHANGHAI

STEPHEN TSANG GENERAL MANAGER



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TEST REPORT

NUMBER: SHAH00056319S1

TESTS CONDUCTED

1 (A) TEST RESULT SUMMARY:

TESTING ITEM		ROHS LIMIT
CADMIUM (Cd) CONTENT (ppm)	ND	100
LEAD (Pb) CONTENT (ppm)	62	1000
MERCURY (Hg) CONTENT (ppm)	ND	1000
CHROMIUM VI (Cr ⁶⁺) CONTENT (ppm)	ND	1000
POLYBROMINATED BIPHENYLS(PBB) IN ppm		1000
MONOBROMOBIPHENYLS (MonoBB)	ND	
DIBROMOBIPHENYLS (DiBB)	ND	
TRIBROMOBIPHENYLS (TriBB)	ND	
TETRABROMOBIPHENYLS (TetraBB)	ND	
PENTABROMOBIPHENYLS (PentaBB)	ND	
HEXABROMOBIPHENYLS (HexaBB)	ND	
HEPTABROMOBIPHENYLS (HeptaBB)	ND	
OCTABROMOBIPHENYLS (OctaBB)	ND	
NONABROMOBIPHENYLS (NonaBB)	ND	
DECABROMOBIPHENYLS (DecaBB)	ND	
POLYBROMINATED DIPHENYL ETHERS (PBDE) IN ppm		1000
MONOBROMODIPHENYL ETHER (MonoBDE)	ND	
DIBROMODIPHENYL ETHER (DiBDE)	ND	
TRIBROMODIPHENYL ETHER (TriBDE)	ND	
TETRABROMODIPHENYL ETHER (TetraBDE)	ND	
PENTABROMODIPHENYL ETHER (PentaBDE)	ND	
HEXABROMODIPHENYL ETHER (HexaBDE)	ND	
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND	
OCTABROMODIPHENYL ETHER (OctaBDE)	ND	
NONABROMODIPHENYL ETHER (NonaBDE)	ND	
DECABROMODIPHENYL ETHER (DecaBDE)	ND	

REMARKS:

ppm = PARTS PER MILLION = mg/kg

ND = NOT DETECTED



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TESTS CONDUCTED

(B) TEST METHOD :

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO USEPA 3052,BY ACID DIGESTION AND DETERMINED BY ICP-AES	2 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO USEPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP-AES	2 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO USEPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP-AES	2 ppm
CHROMIUM VI (Cr ⁶⁺) CONTENT	WITH REFERENCE TO USEPA 3060A & 7196A, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 ppm



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TESTING ITEM	TESTING METHOD	REPORTING LIMIT
MONOBROMINATED BIPHENYLS (MONOBB) DIBROMINATED BIPHENYLS (DIBB) TRIBROMINATED BIPHENYLS (TRIBB) TETRABROMINATED BIPHENYLS (TETRABB) PENTABROMINATED BIPHENYLS (PENTABB) HEXABROMINATED BIPHENYLS (PENTABB) HEPTABROMINATED BIPHENYLS (HEXABB) HEPTABROMINATED BIPHENYLS (HEPTABB) OCTABROMINATED BIPHENYLS (OCTABB) NONABROMINATED BIPHENYLS (OCTABB) DECABROMINATED BIPHENYLS (DECABB) MONOBROMINATED BIPHENYLS ETHER (MONOBDE) DIBROMINATED BIPHENYLS ETHER (DIBDE) TRIBROMINATED BIPHENYLS ETHER (TRIBDE) TETRABROMINATED BIPHENYLS ETHER (TETRABDE) PENTABROMINATED BIPHENYLS ETHER (HEXABDE) HEXABROMINATED BIPHENYLS ETHER (HEXABDE) HEXABROMINATED BIPHENYLS ETHER (HEXABDE) HEYABROMINATED BIPHENYLS ETHER (HEPTABDE) MONABROMINATED BIPHENYLS ETHER (MONABDE) DIBROMINATED BIPHENYLS ETHER (MONABDE) DCTABROMINATED BIPHENYLS ETHER (MONABDE) DCTABROMINATED BIPHENYLS ETHER (MONABDE) DCTABROMINATED BIPHENYLS ETHER (NONABDE) DCTABROMINATED BIPHENYLS ETHER (MONABDE) DCTABROMINATED BIPHENYLS ETHER (MONABDE)	WITH REFERENCE TO USEPA 3540C, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND HPLC	5 ppm 5 ppm

COMMENT: THE DATA SHOWN IN THIS REPORT MEET THE LIMITS OF ROHS (2002/95/EC) REQUIREMENT.



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TESTS CONDUCTED

2(A) TEST RESULT SUMMARY:

TESTING ITEM	RESULT		
CADMIUM (Cd) CONTENT (mg/kg)	ND		
LEAD (Pb) CONTENT (mg/kg)	62		
MERCURY (Hg) CONTENT (mg/kg)	ND		
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (mg/kg) (FOR NON-METAL)	ND		
POLYBROMINATED BIPHENYLS (PBBs) (mg/kg)			
MONOBROMOBIPHENYL (MonoBB)	ND		
DIBROMOBIPHENYL (DiBB)	ND		
TRIBROMOBIPHENYL (TriBB)	ND		
TETRABROMOBIPHENYL (TetraBB)	ND		
PENTABROMOBIPHENYL (PentaBB)	ND		
HEXABROMOBIPHENYL (HexaBB)	ND		
HEPTABROMOBIPHENYL (HeptaBB)	ND		
OCTABROMOBIPHENYL (OctaBB)	ND		
NONABROMOBIPHENYL (NonaBB)	ND		
DECABROMOBIPHENYL (DecaBB)	ND		
POLYBROMINATED DIPHENYL ETHERS (PBDEs) (mg/}	cg)		
MONOBROMODIPHENYL ETHER (MonoBDE)	ND		
DIBROMODIPHENYL ETHER (DiBDE)	ND		
TRIBROMODIPHENYL ETHER (TriBDE)	ND		
TETRABROMODIPHENYL ETHER (TetraBDE)	ND		
PENTABROMODIPHENYL ETHER (PentaBDE)	ND		
HEXABROMODIPHENYL ETHER (HexaBDE)	ND		
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND		
OCTABROMODIPHENYL ETHER (OctaBDE)	ND		
NONABROMODIPHENYL ETHER (NonaBDE)	ND		
DECABROMODIPHENYL ETHER (DecaBDE)	ND		

NAME OF OPERATION: mg/kg = MILLIGRAM PER KILOGRAM = ppm ND = NOT DETECTED



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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 EHTERS (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	LIMIT QUANTIFICATION
CADMIUM (Cd) CONTENT	WITH REFERENCE TO IEC 62321 - 111/95/CDV, BY ACID DIGESTION AND DETERMINED BY ICP-OES	2 mg/kg
LEAD (Pb) CONTENT	WITH REFERENCE TO IEC 62321 - 111/95/CDV, BY ACID DIGESTION AND DETERMINED BY ICP-OES	2 mg/kg
MERCURY (Hg) CONTENT	WITH REFERENCE TO IEC 62321 - 111/95/CDV, BY ACID DIGESTION AND DETERMINED BY ICP-OES	2 mg/kg
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (FOR NON- METAL)	WITH REFERENCE TO IEC 62321 - 111/95/CDV, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 mg/kg
POLYBROMINATED BIPHENYLS (PBBs)& POLYBROMINATED DIPHENYL ETHERS (PBDEs)	WITH REFERENCE TO IEC 62321 - 111/95/CDV, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND FURTHER HPLC CONFIRMATION WHEN NECESSARY.	5 mg/kg

NOTE: TESTS WERE CONDUCTED WITH REFERENCE TO 111/95/CDV VERSION 2007-10-12 WHICH IS STILL A DRAFT METHOD AND SUBJECT TO FUTURE CHANGES PRIOR TO PUBLICATION.

DATE SAMPLE RECEIVED: MAY 6, 2008 TESTING PERIOD: MAY 6, 2008 TO MAY 9, 2008



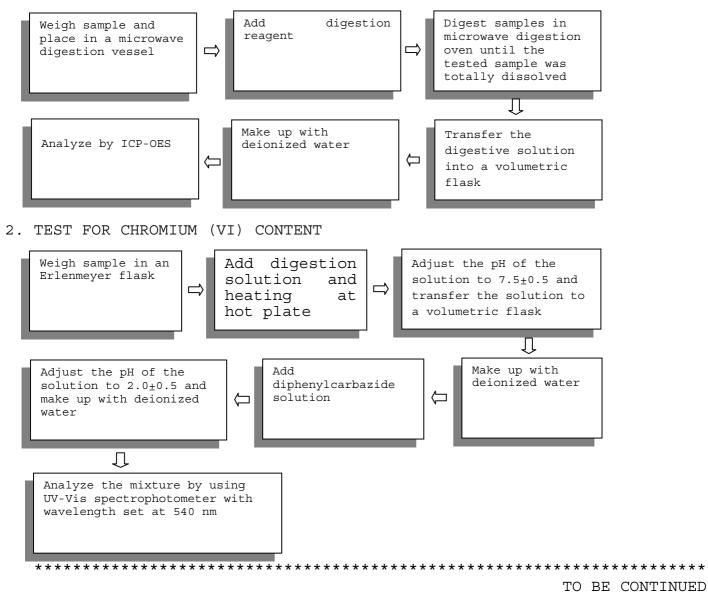
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NUMBER: SHAH00056319S1

TESTS CONDUCTED

- 1 MEASUREMENT FLOWCHART
- 1. TEST FOR Cd/Pb/Hg CONTENTS (USEPA3052)

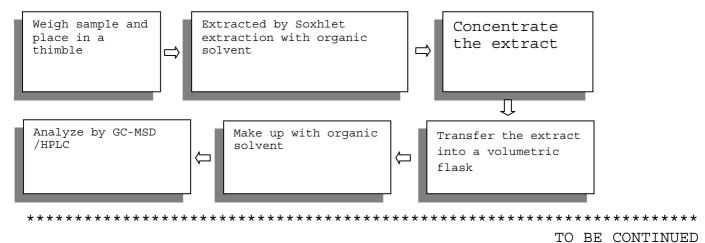




NUMBER: SHAH00056319S1

TESTS CONDUCTED

3. TEST FOR PBBs/PBDEs CONTENTS





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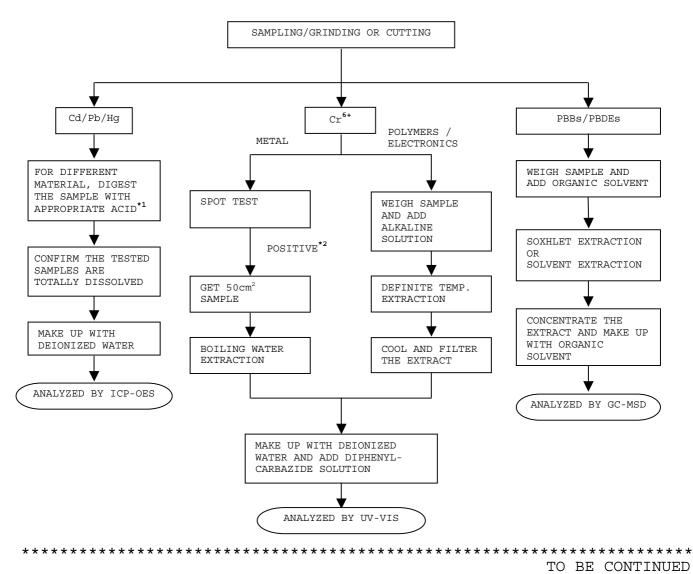
TEST REPORT

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TESTS CONDUCTED

2 MEASUREMENT FLOWCHART:

TEST FOR Cd/Pb/Hg/CHROMIUM (VI)/PBBS/PBDES CONTENTS REFERENCE STANDARD: IEC 62321 (111/95/CDV)





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TESTS CONDUCTED REMARKS:

*1: LIST OF APPROPRIATE ACID:

MATERIAL	ACID ADDED FOR DIGESTION
POLYMERS	HNO ₃ ,HCl,HF,H ₂ O ₂ ,H ₃ BO ₃
METALS	HNO ₃ ,HCl,HF
ELECTRONICS	HNO ₃ ,HCl,H ₂ O ₂ ,HBF ₄

*2: IF THE RESULT OF SPOT TEST IS POSITIVE, CHROMIUM VI WOULD BE DETERMINED AS DETECTED.

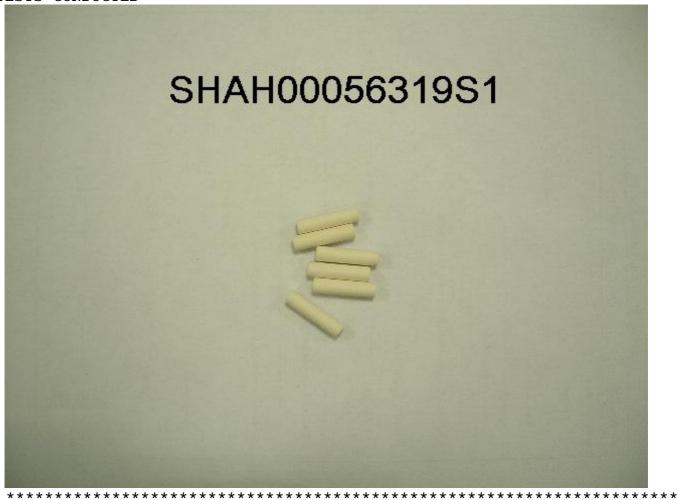


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END OF REPORT



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То:	Cooper Bussmann	Technical	Center	
Attention:	Susan Zhao		Date:	Nov 26, 2008

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH00056319 Dated May 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 SHAH00056319S1.

Thank you for your attention.

PREPARED AND CHECKED BY: FOR INTERTEK TESTING SERVICES LTD., SHANGHAI

AUTHORIZED BY: FOR INTERTEK TESTING SERVICES LTD., SHANGHAI

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