

Test Report

Report No. RLSHE000863440001

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Applicant KUNSHAN MEILE ALUMINUM FOIL PRINTING CO.LTD/SHEN ZHEN MEILE ADHESIVE MATERIAL CO.,LTD

Address NO.68YANGJIAJIAO ROAD, CIVIL OPERATED ECONOMIC REGION, DINGSHAN LAKE TOWN KUNSHAN,JIANGSU.CHINA/BAO'AN DISTRICT OF SHENZHEN CITY MANHOLE STREET, XINQIAO INDUSTRIAL ZONE, HANG WITH THE AFFLUENT PEARL TECHNOLOGY INDUSTRIAL PARK, EAST OF FIVE TWO-LAYER

Report on the submitted sample(s) said to be

Sample Name Conductive Adhesive copper Foil Tape,non-Conductive Adhesive copper Foil Tape

Sample Description Copper-colored metal foil tape

Part No. ML-CU-390

Material Copper foil with glue

Sample Received Date Feb. 10, 2012

Testing Period Feb. 10, 2012 to Feb. 14, 2012

Test Requested To determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonates(PFOS) content in the submitted sample according to the request of client.

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Tested by

Chen Lijuan

Inspected by

Zhong Yijun

Approved by

Chen Qian

Date

Feb. 14, 2012

Technical Manager



No. 83406063



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Test Method

Test Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Fluorine (F)	Refer to BS EN 14582:2007	IC	10mg/kg
Chlorine (Cl)	Refer to BS EN 14582:2007	IC	10mg/kg
Bromine (Br)	Refer to BS EN 14582:2007	IC	10mg/kg
Iodine (I)	Refer to BS EN 14582:2007	IC	10mg/kg
Perfluorooctanoic Acid (PFOA)	Refer to US EPA 3550C:2007	LC-MS-MS	5mg/kg
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007	LC-MS-MS	5mg/kg

Test Result(s)

Tested Item(s)	Content
Lead(Pb)	N.D.
Cadmium (Cd)	N.D.
Mercury(Hg)	N.D.
Hexavalent Chromium (Cr(VI))	Negative

Tested Item(s)	Content
Polybrominated Biphenyls (PBBs)	
Monobromobiphenyl	N.D.
Dibromobiphenyl	N.D.
Tribromobiphenyl	N.D.
Tetrabromobiphenyl	N.D.
Pentabromobiphenyl	N.D.
Hexabromobiphenyl	N.D.
Heptabromobiphenyl	N.D.
Octabromobiphenyl	N.D.
Nonabromobiphenyl	N.D.
Decabromobiphenyl	N.D.

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Tested Item(s)	Content
Polybrominated Diphenyl Ethers (PBDEs)	
Monobromodiphenyl ether	N.D.
Dibromodiphenyl ether	N.D.
Tribromodiphenyl ether	N.D.
Tetrabromodiphenyl ether	N.D.
Pentabromodiphenyl ether	N.D.
Hexabromodiphenyl ether	N.D.
Heptabromodiphenyl ether	N.D.
Octabromodiphenyl ether	N.D.
Nonabromodiphenyl ether	N.D.
Decabromodiphenyl ether	N.D.
Tested Item(s)	Content
Halogen	
Fluorine (F)	N.D.
Chlorine (Cl)	N.D.
Bromine (Br)	N.D.
Iodine (I)	N.D.
Tested Item(s)	Content
Perfluorooctanoic Acid (PFOA)	N.D.
Perfluorooctane Sulfonates(PFOS)	N.D.

Note: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.

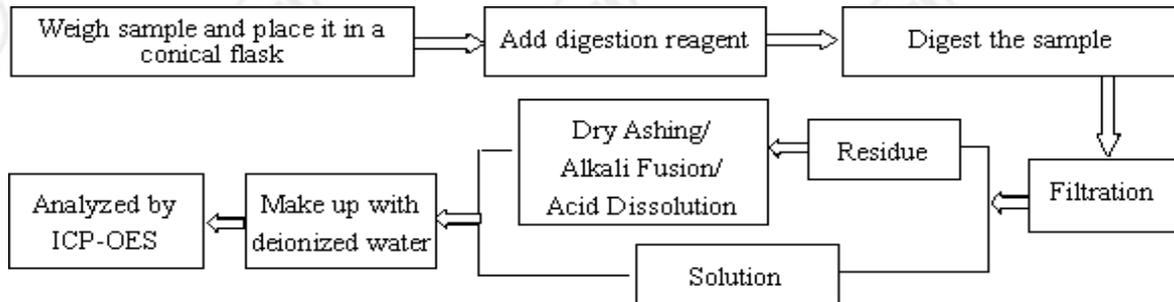
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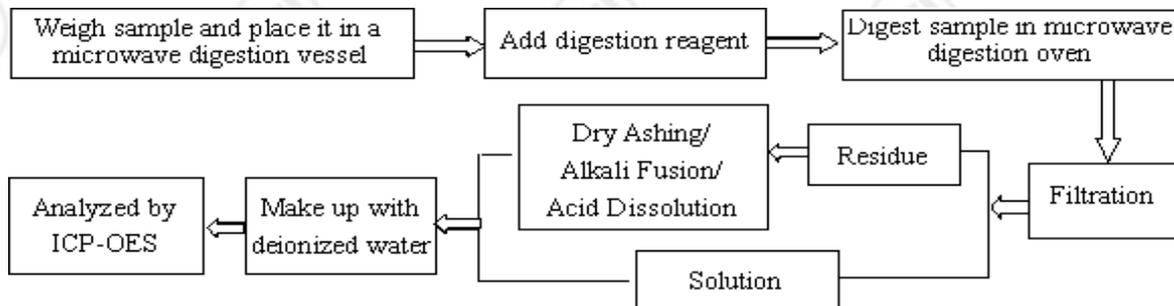
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Test Process

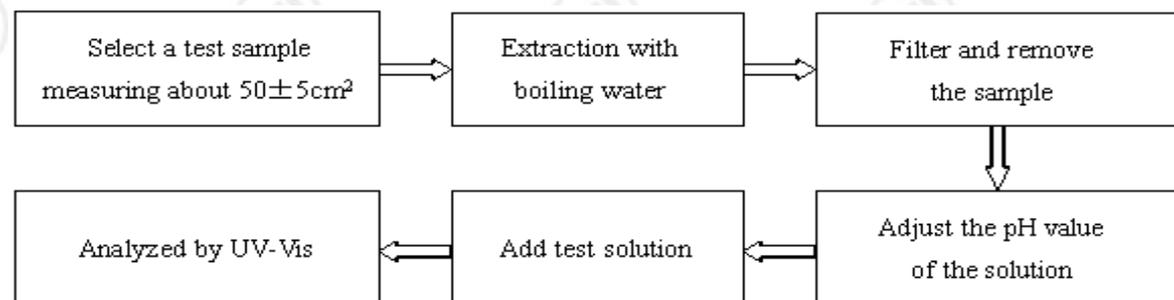
1. Lead(Pb), Cadmium(Cd)



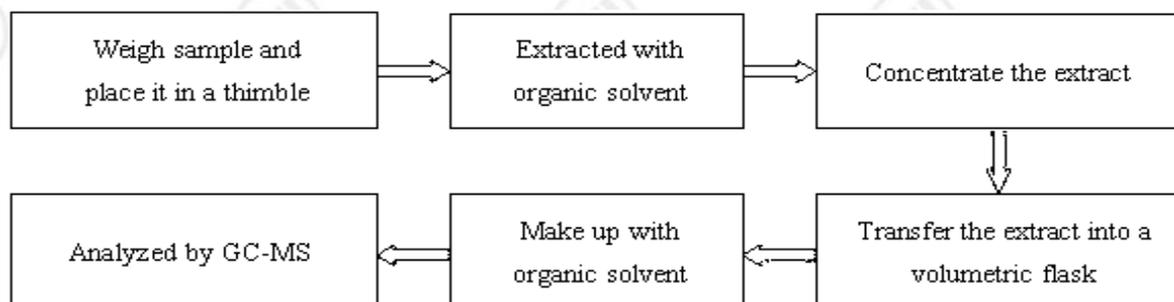
2. Mercury(Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

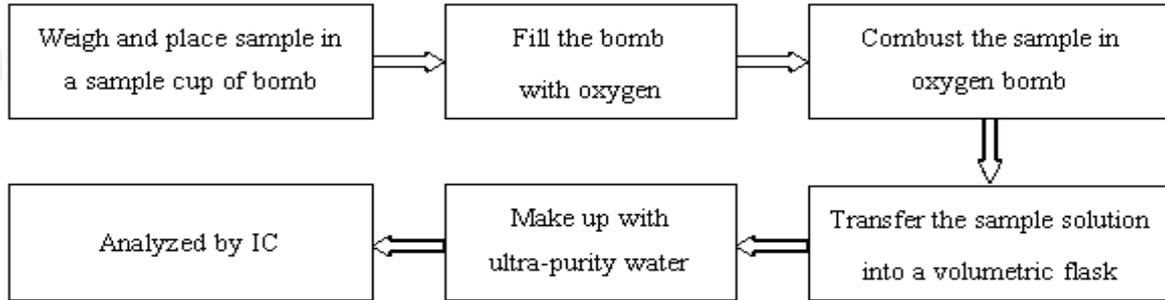


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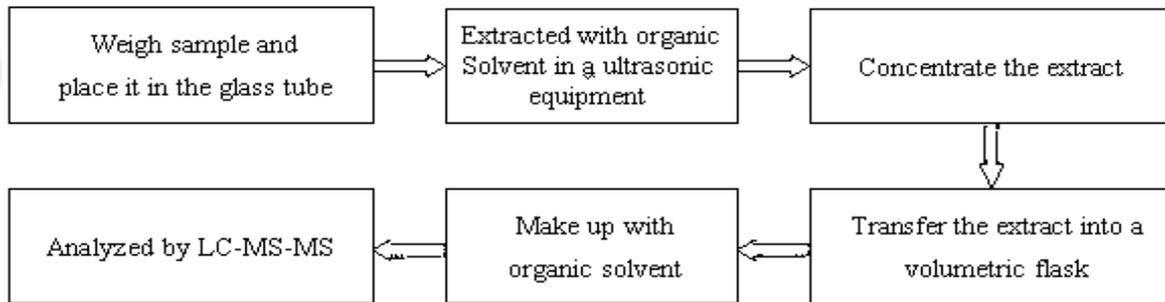
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5. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



6. Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonates(PFOS)

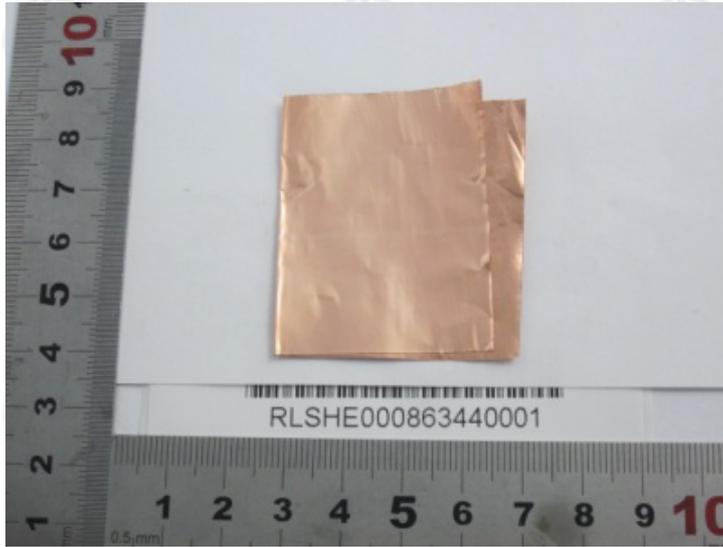


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Photo(s) of the sample(s)



*** End of report ***

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