

Test Report

Report No. ECL01I022741001

Page 1 of 8

Applicant TAIXING SMELTING PLANT CO., LTD.

Address NO.130,XINGYAN ROAD, TAIXING CITY ,JIANGSU PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

No.	Sample Name	Material	Color
1	Copper Oxide	Copper Oxide	Black
2	Copper Oxide	Copper Oxide	Black

Sample Received Date

Apr.22,2016

Testing Period

Apr.22,2016 to Apr.27,2016

Test Requested

As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates, Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I), Antimony(Sb), Arsenic(As), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Polyvinyl Chloride (PVC), Hexabromocyclododecane (HBCDD) in the submitted sample(s).

Test Method

Please refer to the following page(s).

Test Result(s)

Please refer to the following page(s).

Tested by

Q. Han

Reviewed by

Summer Xu

Approved by

Su Hongwei

Date

Apr.27,2016

Su Hongwei

Senior Laboratory Manager

No. R187773365

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1996,Xinjinqiao Road, Pudong New District, Shanghai, China

Report Seal

Test Report

Report No. ECL01I022741001

Page 2 of 8

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates	Refer to IEC 62321-8 CDV	GC-MS
Fluorine (F)	Refer to BS EN 14582:2007	IC
Chlorine (Cl)	Refer to BS EN 14582:2007	IC
Bromine (Br)	Refer to BS EN 14582:2007	IC
Iodine (I)	Refer to BS EN 14582:2007	IC
Antimony (Sb)	Refer to US EPA 3052:1996 & US EPA 6010C:2007	ICP-OES
Arsenic(As)	Refer to US EPA 3052:1996 & US EPA 6010C:2007	ICP-OES
Perfluorooctanoic Acid (PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Perfluorooctane Sulfonates (PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Polyvinyl chloride (PVC)	/	FT-IR
Hexabromocyclododecane (HBCDD)	Refer to US EPA 3550C:2007 & US EPA 8270D:2007	GC-MS

Test Report

Report No. ECL01I022741001

Page 3 of 8

Test Result(s)

Tested Item(s)	Result	MDL
	1	
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg
Polybrominated Biphenyls(PBBs)		
Monobromobiphenyl	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	5 mg/kg
Polybrominated Diphenyl Ethers(PBDEs)		
Monobromodiphenyl ether	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	5 mg/kg

Test Report

Report No. ECL01I022741001

Page 4 of 8

Tested Item(s)	Result	MDL
	1	
Phthalates		
Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	50 mg/kg

Tested Item(s)	Result	MDL
	1	
Halogen		
Fluorine (F)	N.D.	10 mg/kg
Chlorine (Cl)	N.D.	10 mg/kg
Bromine (Br)	N.D.	10 mg/kg
Iodine (I)	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
	1	
Antimony (Sb)	N.D.	5 mg/kg
Arsenic(As)	N.D.	10 mg/kg
Perfluorooctanoic Acid (PFOA)	N.D.	5mg/kg
Perfluorooctane Sulfonates(PFOS)	N.D.	5mg/kg
Polyvinyl chloride (PVC)	Negative	/

Tested Item(s)	Result	MDL
	2	
Phthalates		
Diisononyl phthalate (DINP) CAS #:28553-12-0,68515-48-0	N.D.	50mg/kg
Di-n-octyl phthalate (DNOP) CAS #:117-84-0	N.D.	50mg/kg
Diisodecyl phthalate (DIDP) CAS #:26761-40-0,68515-49-1	N.D.	50mg/kg

Test Report

Report No. ECL01I022741001

Page 5 of 8

Tested Item(s)	Result	MDL
	2	
Hexabromocyclododecane (HBCDD)	N.D.	5 mg/kg

Tested Sample/Part Description

- 1.Black powder
- 2.Black powder

Remark: The sample had been dissolved totally tested for Lead, Cadmium, Mercury, Antimony, Arsenic.

-MDL= Method Detection Limit

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

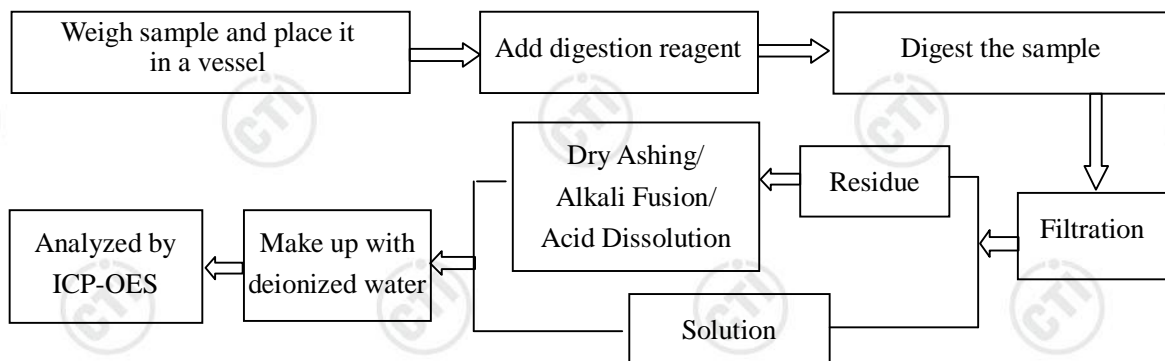
-mg/kg = ppm = parts per million

-Negative = Not contained Polyvinyl Chloride (PVC)

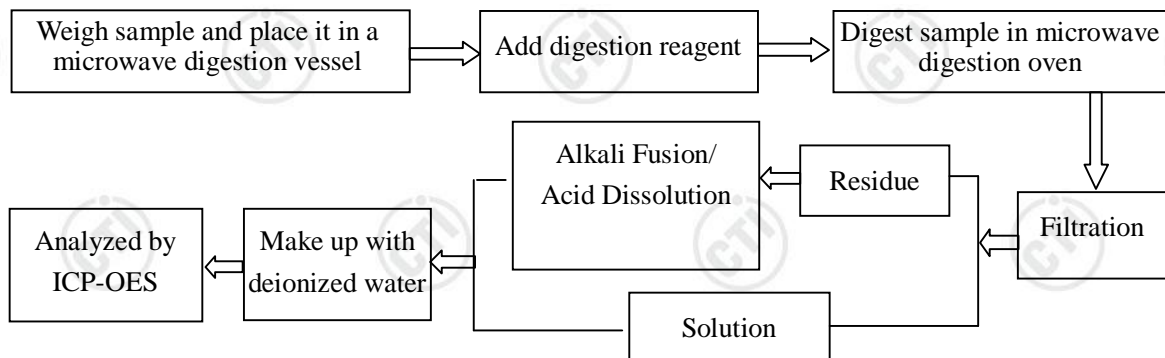
The test result(s) of sample No.1 is(are) presented in reference to the result(s) that reported in ECL01I014345001.

Test Process

1. Lead(Pb), Cadmium(Cd)



2. Mercury (Hg)

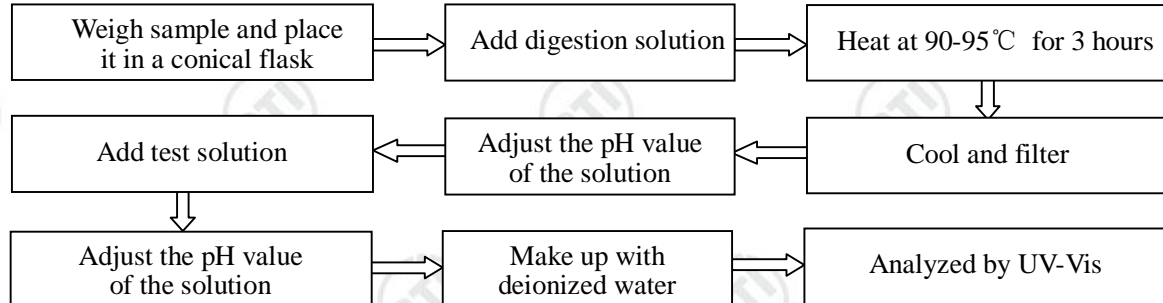


Test Report

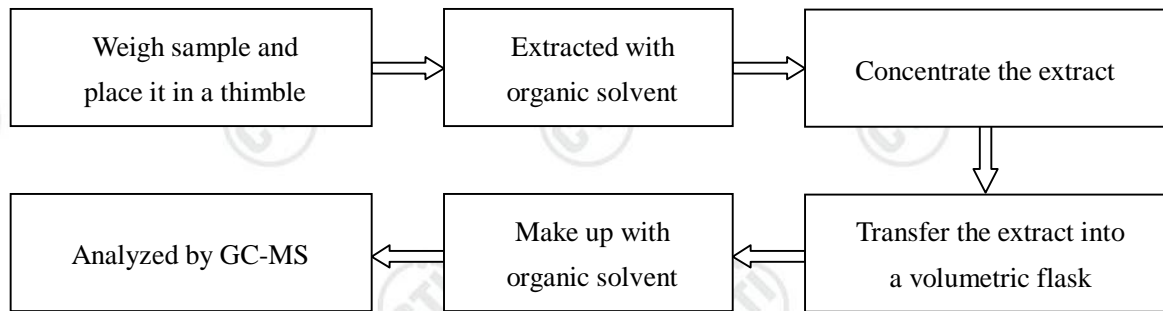
Report No. ECL01I022741001

Page 6 of 8

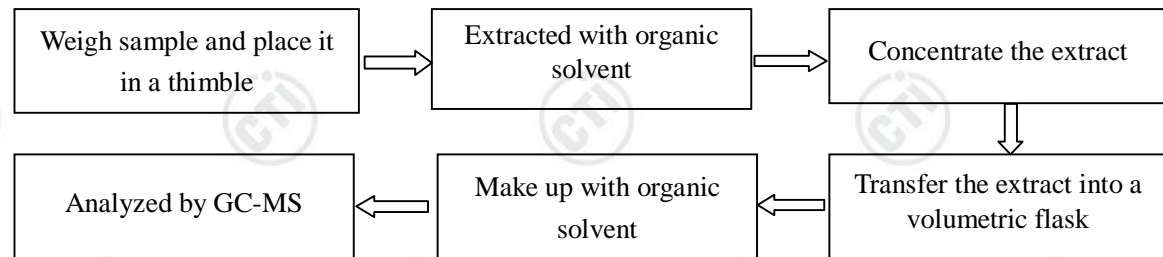
3. Hexavalent Chromium (Cr(VI))



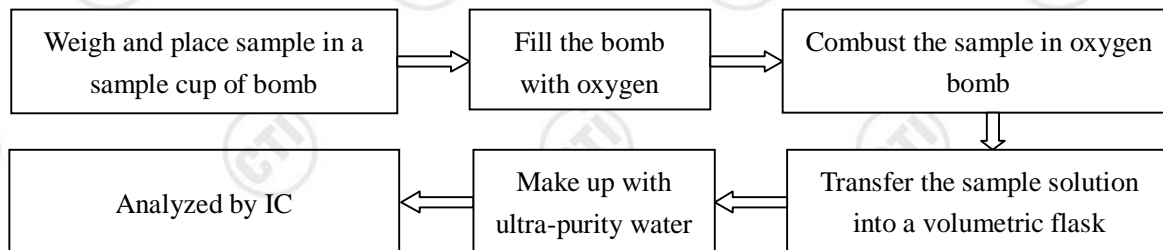
4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)



5. Phthalates



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

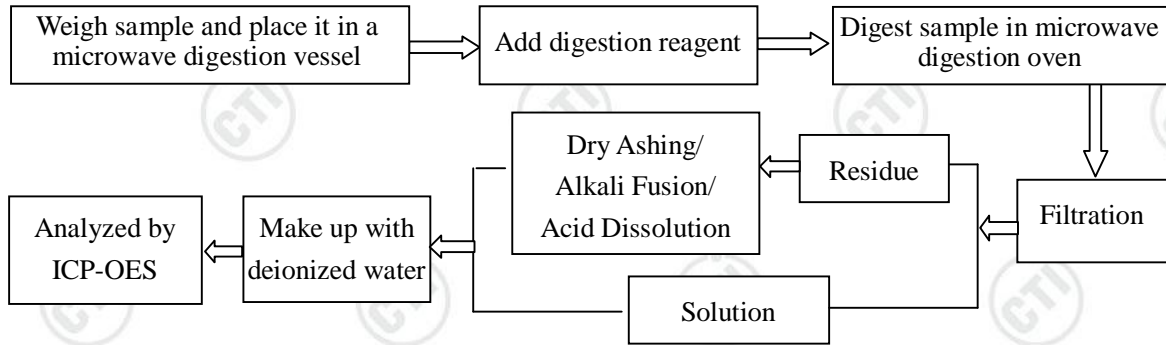


Test Report

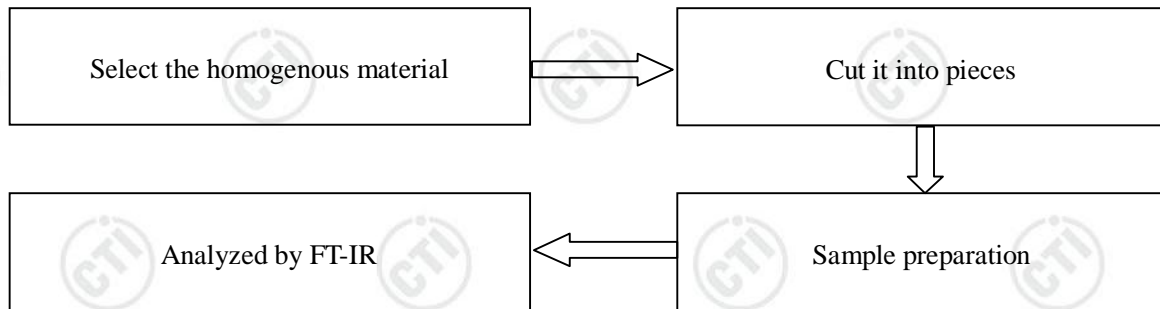
Report No. ECL01I022741001

Page 7 of 8

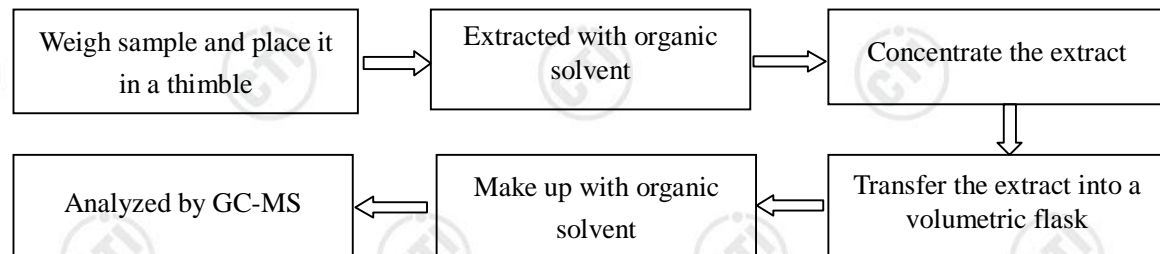
7. Antimony (Sb), Arsenic(As)



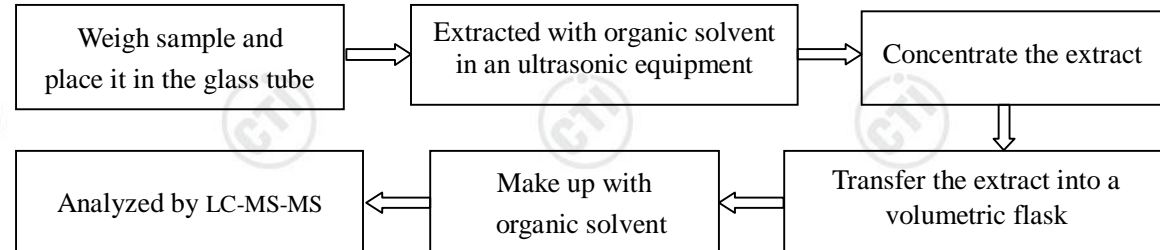
8. Polyvinyl chloride (PVC)



9. Hexabromocyclododecane (HBCDD)



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

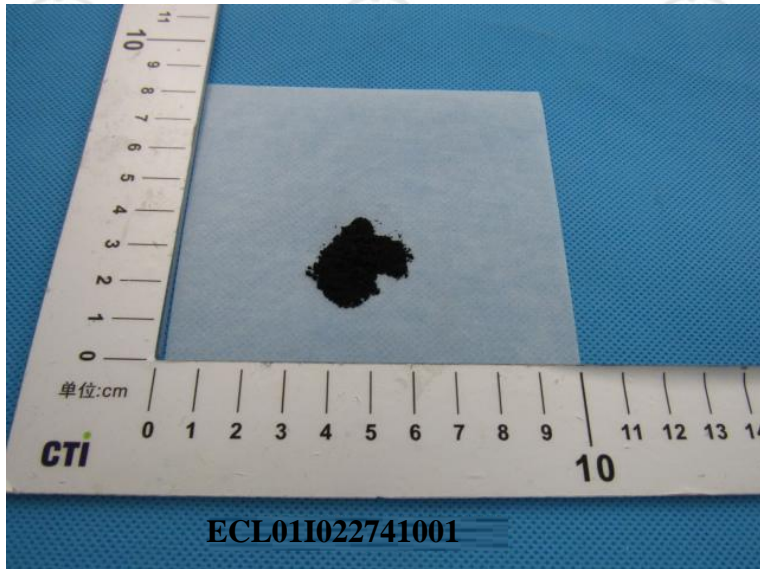


Test Report

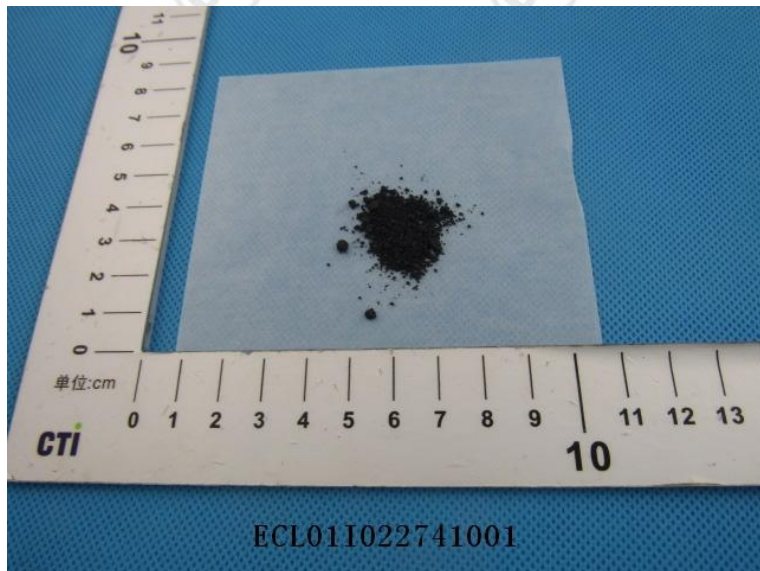
Report No. ECL01I022741001

Page 8 of 8

Photo(s) of the sample(s)



1



2

*** End of Report ***

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