CTI

Test Report

Report No. RLSHD000799290004

Report on the submitted sample said to be

Sample Name	Chip（PIR ）
Sample Description	1.Black,white solid (Mix test) 2.Silvery metal(Mix test) 3 Chip
Item/Lot No.	111123
Sample Received Date	Nov.28,2011
Testing Period	Nov.28,2011 to Dec.8,2011
Test Requested	To determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) content in the submitted sample according to the request of client.

Test Method

Tested Item	Test Method	Measured Equipment	M.D.L.
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/
	IEC 62321:2008 Ed.1 Annex C		2 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg

Test Result: Please refer to the following pages.

Tested by _____ Inspected by Zhang Yijun

Approved by _____ Date Dec.8,2011

Technical Manager

No. 12488075

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Test Result

Tested Item	Content(Unit: mg/kg)		
	1	2	3
Lead (Pb)	N.D.	N.D.	6.14×10^{5}*
Cadmium (Cd)	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	N.D.	Negative	N.D.

Tested Item(s)	Content(Unit: mg/kg)		
	1	2	3
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.	/	/
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.	/	/

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

-Mix test=The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

-M.D.L. = Method Detection Limit -N.D. = Not Detected (<M.D.L.)

-mg/kg = ppm = parts per million

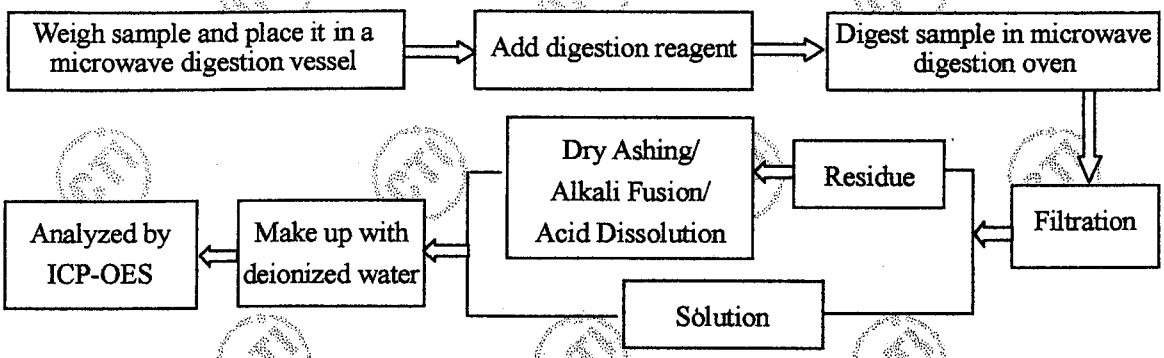
-Negative = Absence of Cr (VI). The Cr (VI) concentration detected in the boiling water extraction solution is less than 0.02 mg/kg with $50cm^2$ sample surface area used.

-*= According to the client's statement, sample is referred to EU Commission Exemption Item No.7(c)-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

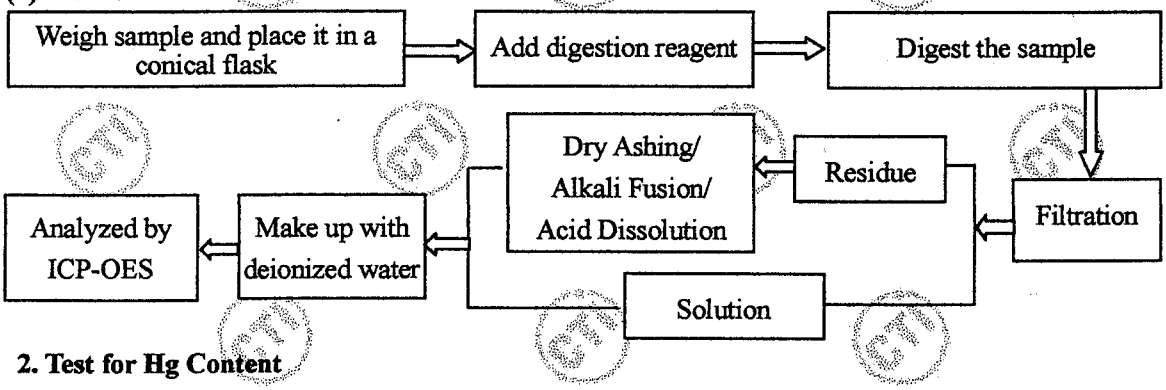
Test Process

1. Test for Pb/Cd Content

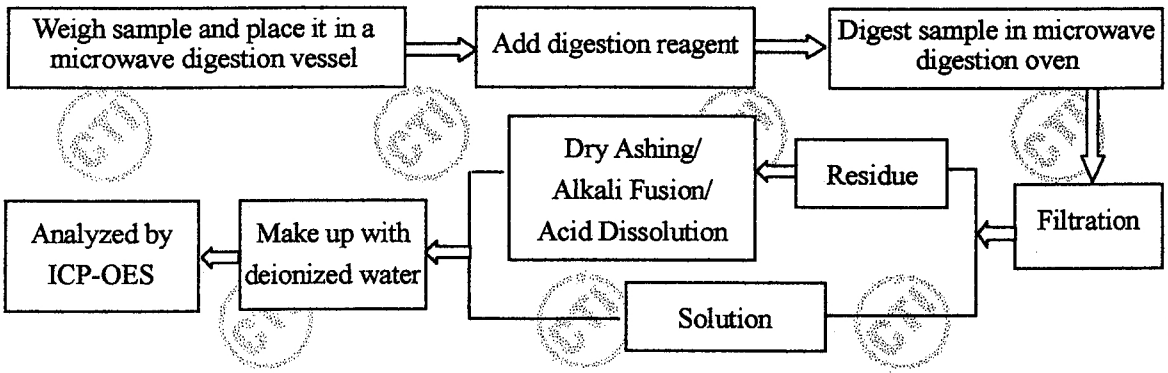
(1)IEC 62321:2008 Ed.1 Sec.10



(2)IEC 62321:2008 Ed.1 Sec.9

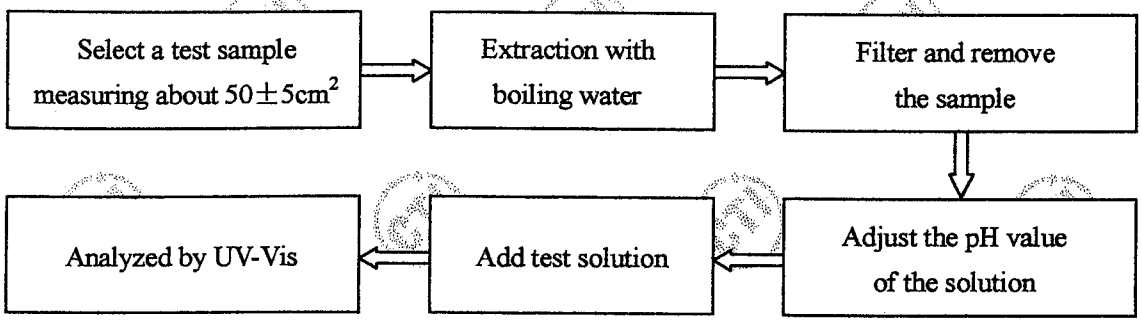


2. Test for Hg Content

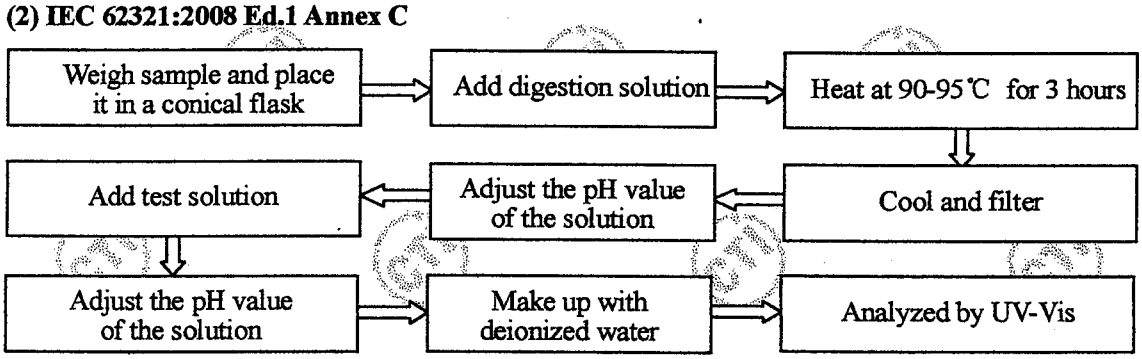


3. Test for Cr (VI) Content

(1) IEC 62321:2008 Ed.1 Annex B



(2) IEC 62321:2008 Ed.1 Annex C



4. Test for PBBs /PBDEs Content

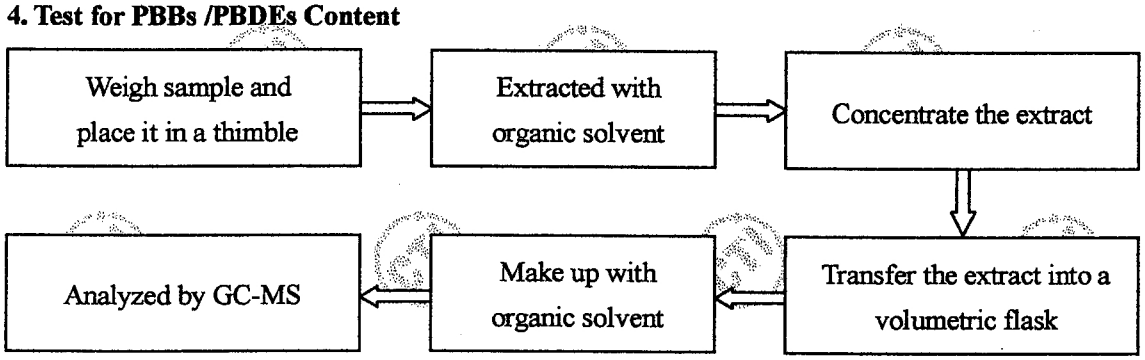


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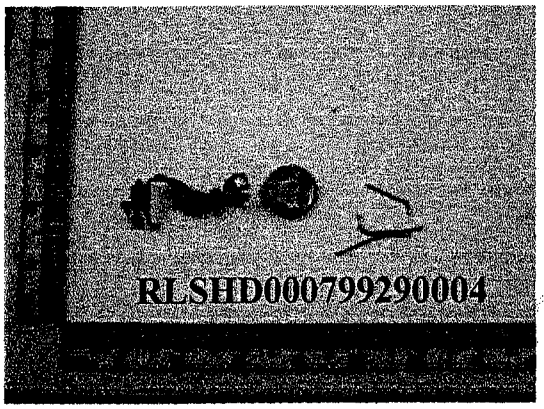
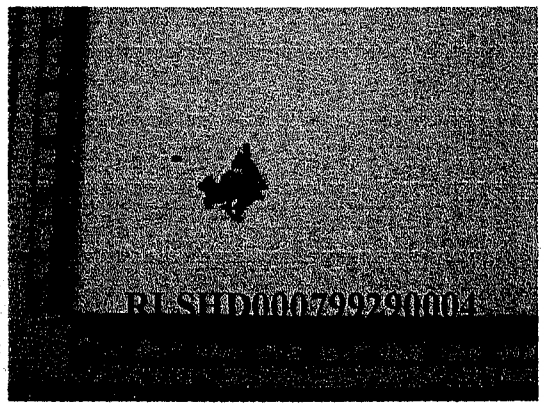
Photo of the sample

Chip（PIR ）

1



2



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*** End of report ***