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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
Testing Period

Nov.28,2011 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	101-015	Z mg/kg
	Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
D _e		IEC 62321:2008 Ed.1 Sec.9	ICF-OLS	
	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	UV-VIS	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 I Annex A	GC-MS	5 mg/kg

Test Result: Please refer to the following pages.

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Tested by

Approved by



Inspected by

Zhong Yijur

Date

Dec.8,2011

No. 12488075













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Test Result

Togtod How	Content(Unit: mg/kg)		
Tested Item	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.

	Content(Unit: mg/kg)			
Tested Item(s)	1	2	3	
Polybrominated Biphenyls(PBBs)				
Monobromobiphenyl	N.D.	/	/	
Dibromobiphenyl	N.D.	1	/	
Tribromobiphenyl	N.D.	/	/	
Tetrabromobiphenyl	N.D.		ser et ess.	
Pentabromobiphenyl	N.D.	/ / /		
Hexabromobiphenyl	N.D.	1		
Heptabromobiphenyl	N.D.	/	/	
Octabromobiphenyl	N.D.	1	/	
Nonabromobiphenyl	N ₂ D,	1	/	
Decabromobiphenyl	N.D.	1	/ /	
Polybrominated Diphenyl Ethers(P	PBDEs)	**Temperal**		
Monobromodiphenyl ether	N.D.	/	1	
Dibromodiphenyl ether	N.D.	- 1	-42	
Tribromodiphenyl ether	N.D.	/		
Tetrabromodiphenyl ether	N.D.	1	A. com	
Pentabromodiphenyl ether	N.D.	/	/	
Hexabromodiphenyl ether	N.D.	/	/	
Heptabromodiphenyl ether	N.D.	1	/ /	
Octabromodiphenyl ether	N.D	1	/	
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 50cm² 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.



































































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Test Process 1. Test for Pb/Cd Content (1)IEC 62321:2008 Ed.1 Sec.10 Weigh sample and place it in a microwave digestion vessel Digest sample in microwave Add digestion reagent digestion oven Dry Ashing/ Residue Alkali Fusion/ Filtration Analyzed by Make up with **Acid Dissolution ICP-OES** deionized water Solution (2)IEC 62321:2008 Ed.1 Sec.9 Weigh sample and place it in a Add digestion reagent Digest the sample conical flask Dry Ashing/ Residue Alkali Fusion/ Filtration Analyzed by Make up with Acid Dissolution **ICP-OES** deionized water Solution 2. Test for Hg Content Weigh sample and place it in a Digest sample in microwave Add digestion reagent microwave digestion vessel digestion oven Dry Ashing/ Residue Alkali Fusion/ Filtration Analyzed by Make up with Acid Dissolution **ICP-OES** deionized water Solution















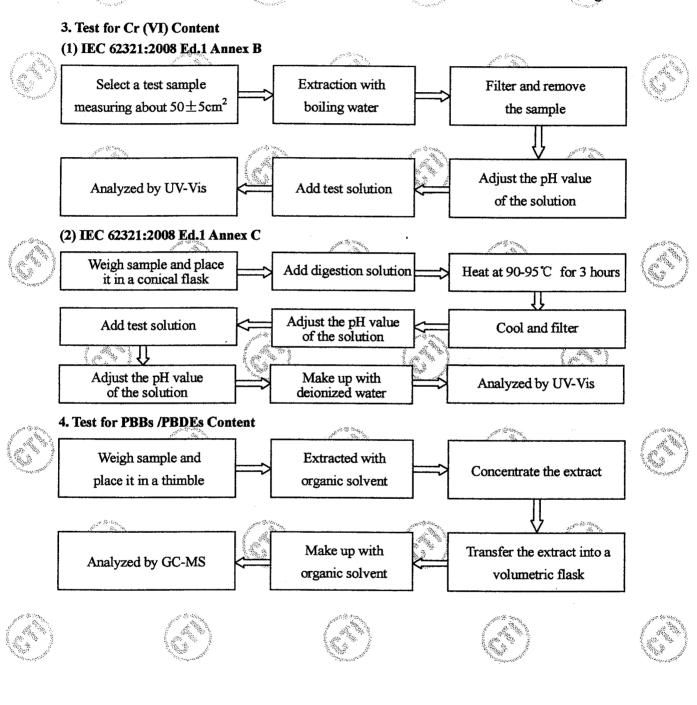






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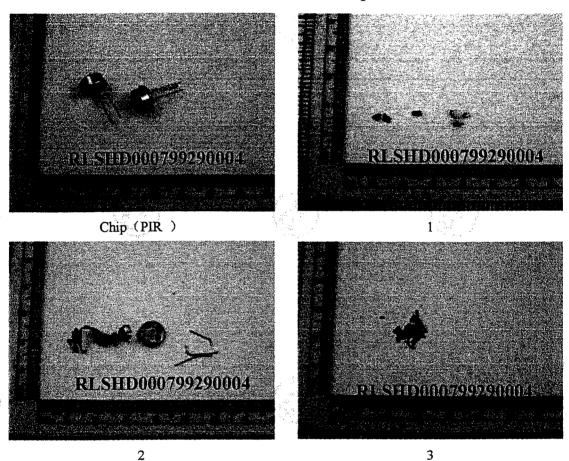




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Photo of the sample



*** End of report ***

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