

# Test Report

Report No.:RLSDC00005179

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**Applicant** : ZHAOQING FENGHUA NEO-VALLEY MICRO ELECTRONICS CO., LTD  
**Address** : 1ST FLOOR, 3# BUILDING, FENGHUA ELECTRONICS INDUSTRIAL CTIY,  
18# FENGHUA ROAD, ZHAOQING, GUANGDONG, P.R.CHINA

**Report on the submitted sample(s) said to be:**

No.	Sample Name	Sample Description	Part No.
1	SOT-223半导体分立器件	Silver color metal	SOT-223
2		Black body	

Sample Received Date :Nov.12, 2010  
Testing Period :Nov.12, 2010 to Nov.17, 2010

**Test Requested** :1.As specified by client, for the sample No.1,  
a. to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg) content in the submitted sample;  
b. to identify if there is the Hexavalent Chromium(Cr(VI)) in the submitted sample.  
2.As specified by client, for the sample No.2,  
to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated biphenyl(PBBs) and Polybrominateddiphenylether(PBDEs) content in the submitted sample.

**Test Method** :Please refer to the following page(s)

**Test Result(s)** :Please refer to the following page(s)

Tested by Zhu  
Approved by Wang Wenjun  
Technical Manager

Inspected by Wang Wenjun  
Date Nov.17, 2010

No. 11446406

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**Test Method:**

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.10		
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.10		
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2 mg/kg
	IEC 62321:2008 Ed.1 Annex B		/
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(s):**

Tested Item(s)	Content
	Sample No. 1
Lead (Pb)	74 mg/kg
Cadmium (Cd)	N.D.
Mercury (Hg)	N.D.

Tested Item(s)	Conclusion
	Sample No. 1
Hexavalent Chromium (Cr (VI))	Negative

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**Test Result(s):**

Tested Item(s)	Content
	Sample No. 2
Lead (Pb)	36 mg/kg
Cadmium (Cd)	N.D.
Mercury (Hg)	N.D.
Hexavalent Chromium (Cr(VI))	N.D.
<b>Polybrominated Biphenyls(PBBs)</b>	
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.
<b>Polybrominated Diphenyl Ethers(PBDEs)</b>	
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.

- Note :**
- 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 50cm<sup>2</sup> sample surface area used.

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

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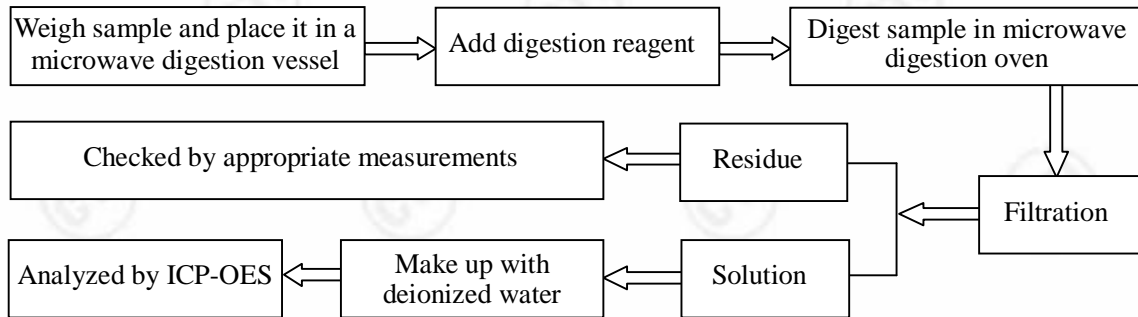
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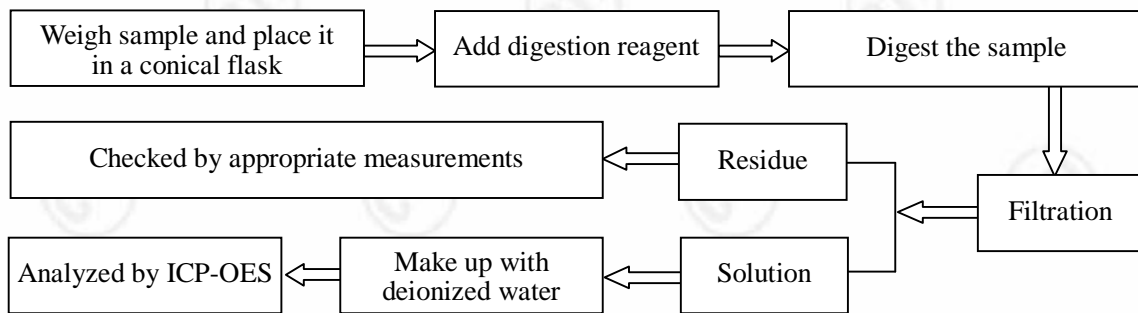
**Test Process :**

**1. Lead(Pb), Cadmium(Cd)**

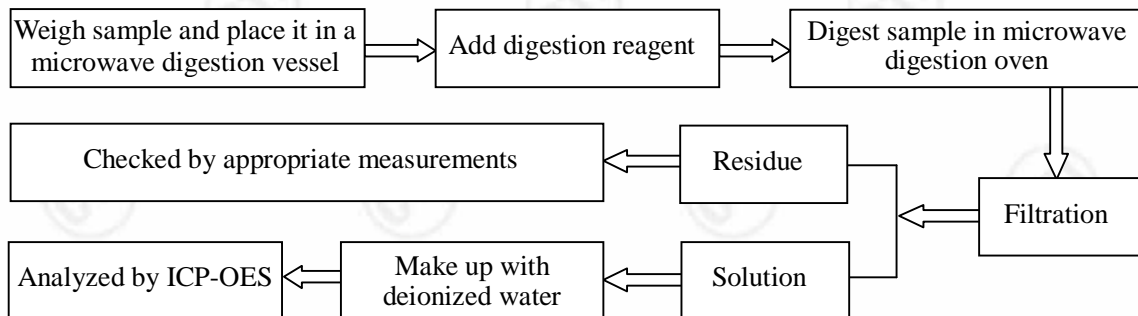
**(1) IEC 62321:2008 Ed.1.0 Sec.10**



**(2) IEC 62321:2008 Ed.1.0 Sec.9**

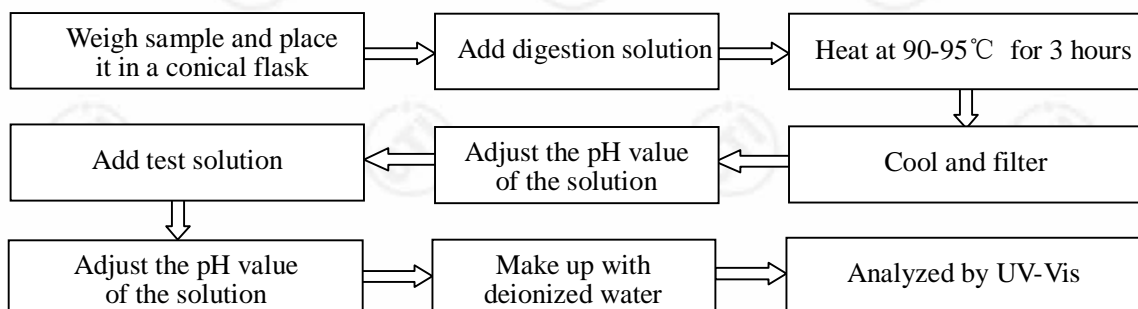


**2. Mercury(Hg)**



**3. Hexavalent Chromium (Cr(VI))**

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

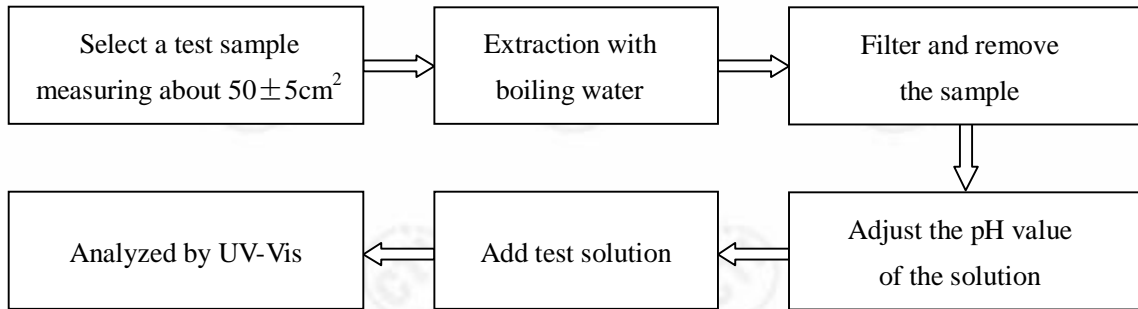


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**(2) IEC 62321:2008 Ed.1 Annex B**



**4. Polybrominated biphenyl(PBBs) and Polybrominateddiphenylether(PBDEs)**

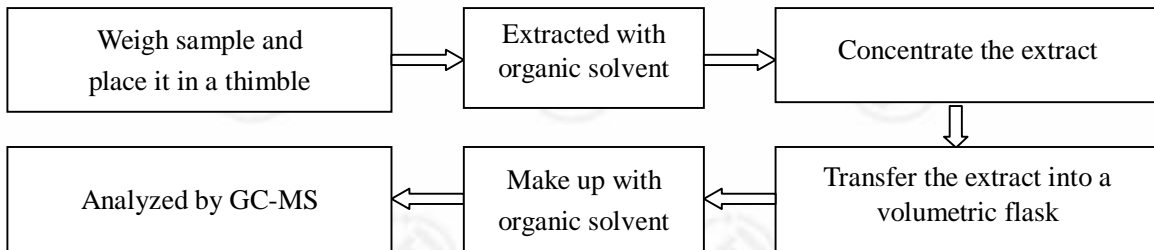
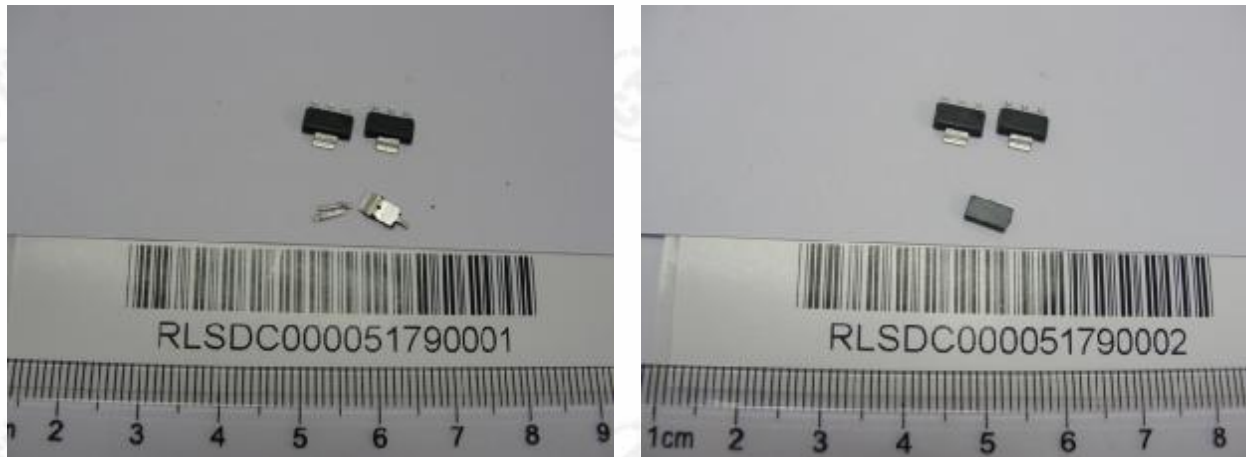


Photo of the sample



\*\*\* End of report \*\*\*

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