

# Test Report

Report No. RLSHD000767450001

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**Applicant** SHANGHAI JINPEI ELECTRONIC CO.,LTD.

**Address** RM 1002, NO.40, SUB-LANE 2, LANE1028, XIUYAN RD,KANGQIAO SHANGHAI  
CHINA.201315

**Report on the submitted sample said to be**

Sample Name Aluminum Electrolytic Capacitor

Sample Description 1.Silvery metal(Mix test)  
2.Black plastic with white ink and white plastic(Mix test)

Material Metal PET PVC Carbon Hemp Salt

Sample Received Date Jan.25,2013

Testing Period Jan.25,2013 to Jan.28,2013

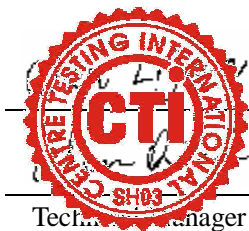
**Test Requested** To determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) content in the submitted sample according to the request of client.

**Test Method**

Tested Item	Test Method	Measured Equipment	M.D.L.
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	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



Approved by

Technical Manager

Inspected by

Zhang Yijun

Date

Jan.28,2013

No. 31260043

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## Test Result

Tested Item	Content	
	1	2
Lead (Pb)	N.D.	N.D.
Cadmium (Cd)	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	Negative	N.D.

Tested Item(s)	Content	
	1	2
<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.

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

-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<sup>2</sup> sample surface area used.

-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.

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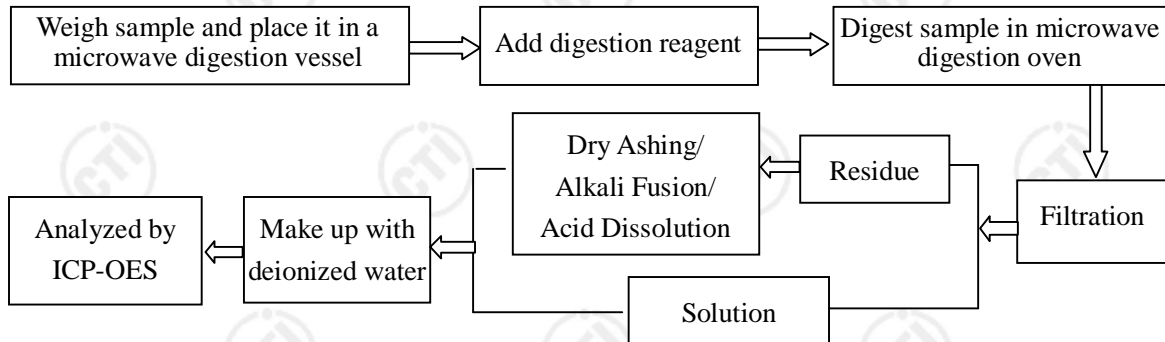
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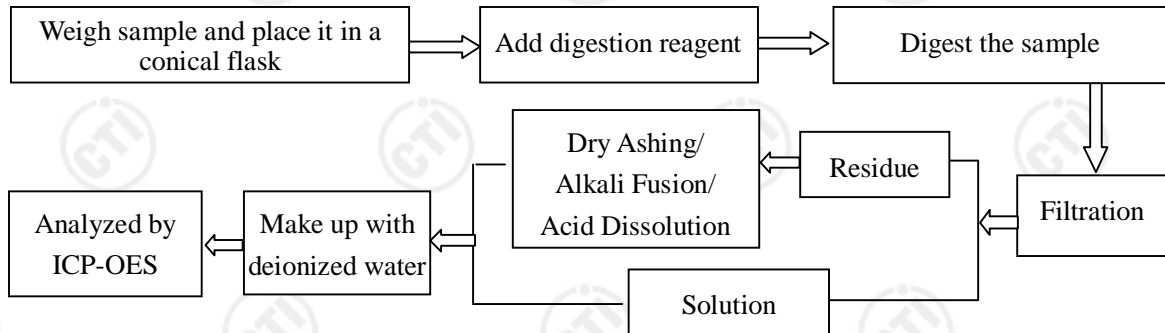
## Test Process

### 1. Test for Pb/Cd Content

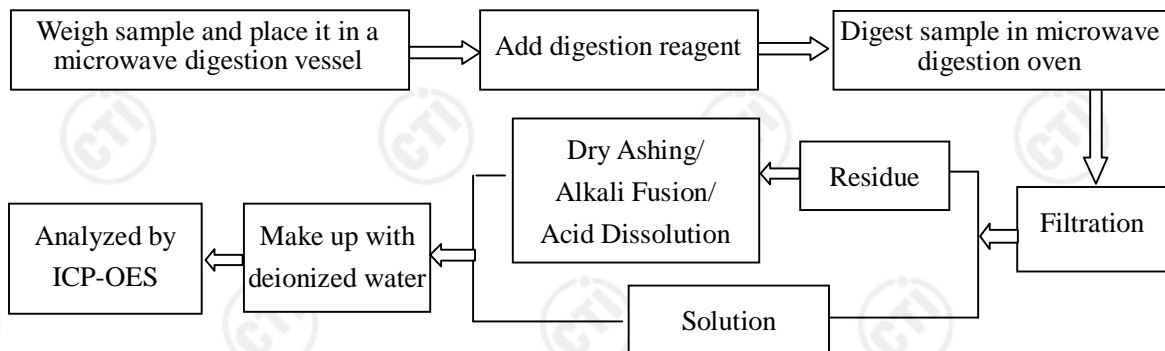
#### (1) IEC 62321:2008 Ed.1 Sec.8



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



### 2. Test for Hg Content



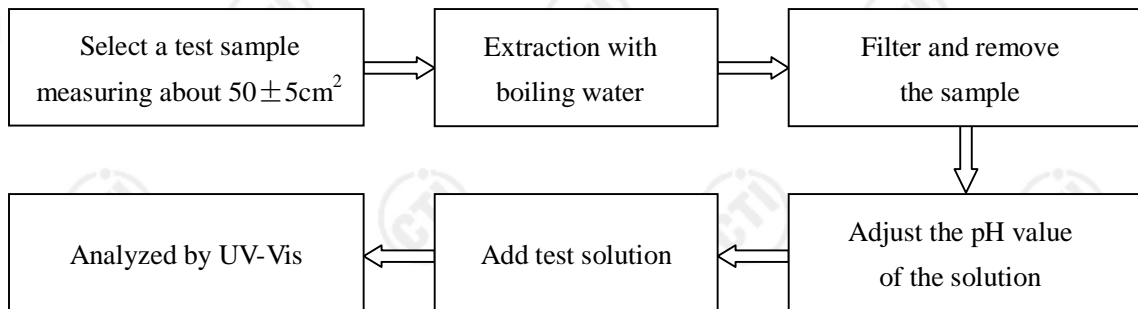
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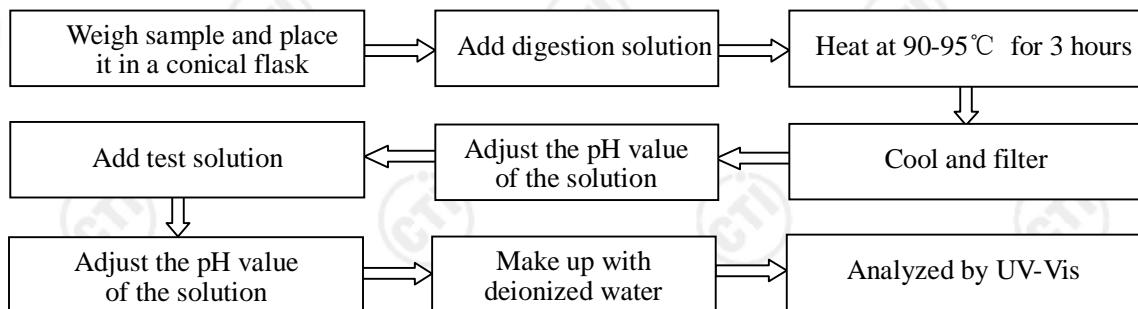
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### 3. Test for Cr (VI) Content

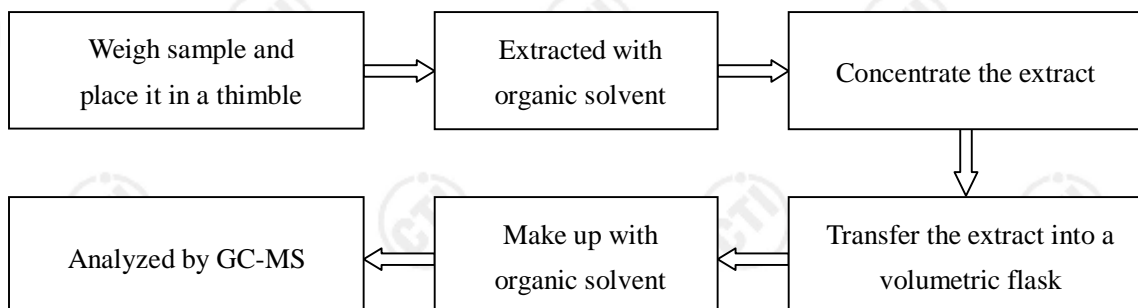
#### (1) IEC 62321:2008 Ed.1 Annex B



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



### 4. Test for PBBs /PBDEs Content

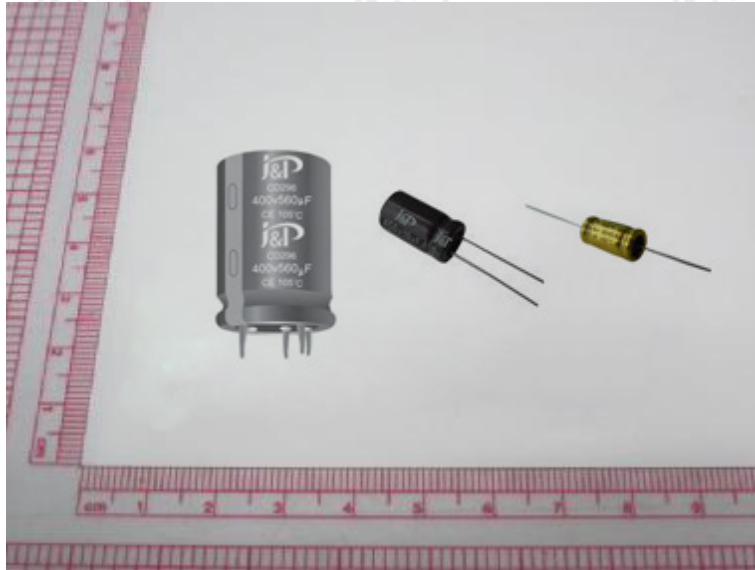


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## Photo of the sample



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

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