



Test Report

NO.: ASZ09060410601

Date: Jun 11, 2009

Page 1 of 6

Customer: Shenzhen Bencent Electronics Co., Ltd.

Address: 2F, Building 1, Pingshan Minqi Science & Technology Park, Xili, Nanshan, Shenzhen, China

Report on the submitted sample said to be

Sample name: SURGE ARRESTER

Model: /

Item/Lot No.: QC-wx-0905012

Material: see Specimen Description

Buyer: /

Supplier: /

Manufacturer: /

Sample received date: Jun 04, 2009

Testing period: From Jun 04, 2009 to Jun 11, 2009

Testing Requested

- As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBB & PBDE content in the submitted sample in accordance with Directive 2002/95/EC (RoHS).
- As specified by client, to determine PFOS content in the submitted samples in accordance with Directive 2006/122/EC.

Testing method:

- With reference to IEC 62321:2008

Testing Item	Pretreatment method	Measuring instrument	MQL
Lead (Pb)	IEC 62321, section 9/10	ICP-OES	2mg/kg
Cadmium (Cd)	IEC 62321, section 9/10	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321, section 7	CV-AAS	2 mg/kg
Chromium (Cr VI)	IEC 62321, Annex B/C	UV-VIS	2 mg/kg
PBBs/ PBDEs	IEC 62321, Annex A	GC-MS	5 mg/kg

-

Testing Item	Pretreatment method	Measuring instrument	MQL
PFOS	US EPA 3540C	LC-MS	5 mg/kg

Conclusion:

-1)When tested as specified the submitted sample complied with the requirements of commission Decision of 18 Aug 2005 amending Directive 2002/95/EC notified under document 2005/618/EC

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signed for AOV Ltd.

Written by Trang

Inspected by Wally

Approved by Jeena

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Shenzhen AOV Testing Technology Co., Ltd.

2-6/F, No.5, Yuantou Lane, Tanglang, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

Tel: 86-755-8600 8000 Fax: 86-755-8600 8282

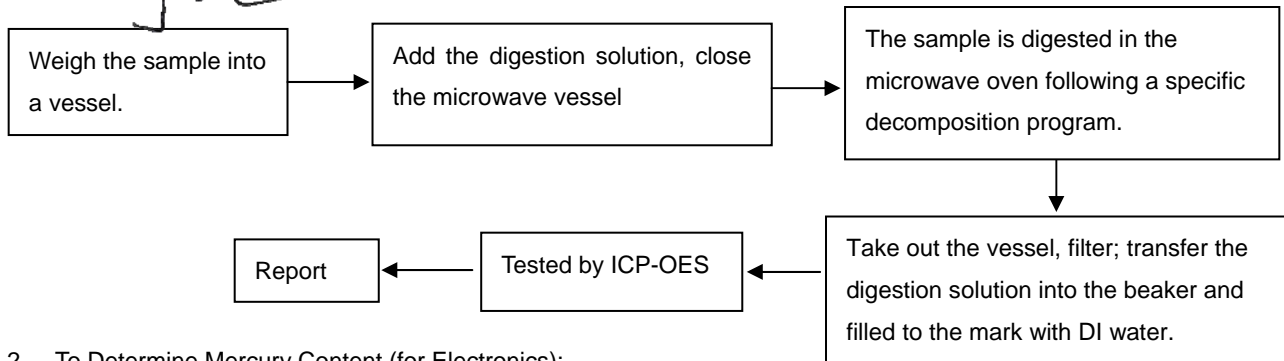
Http: //www.aovt.com



Test Flow:

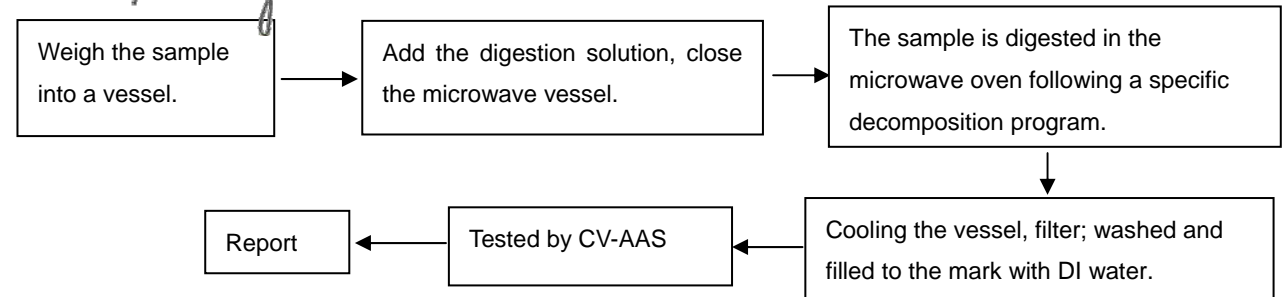
1. To Determine Lead, Cadmium Content (for Electronics):

Tested by: *JUNE*



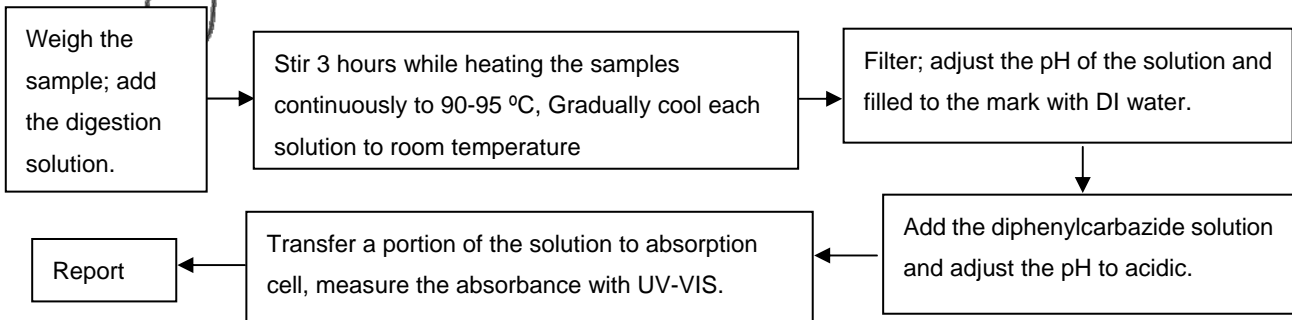
2. To Determine Mercury Content (for Electronics):

Tested by: *ROSAM*



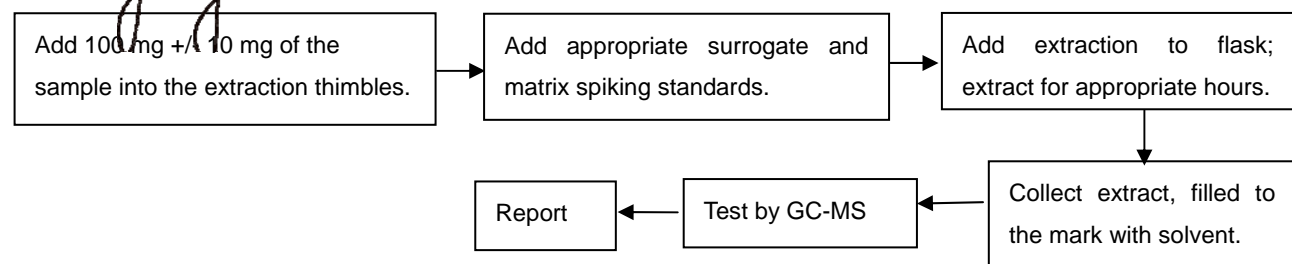
3. To Determine Hexavalent Chromium Content (for Electronics):

Tested by: *GARY*



4. To Determine PBBs/PBDEs Content (for Electronics):

Tested by: *YOUNG*

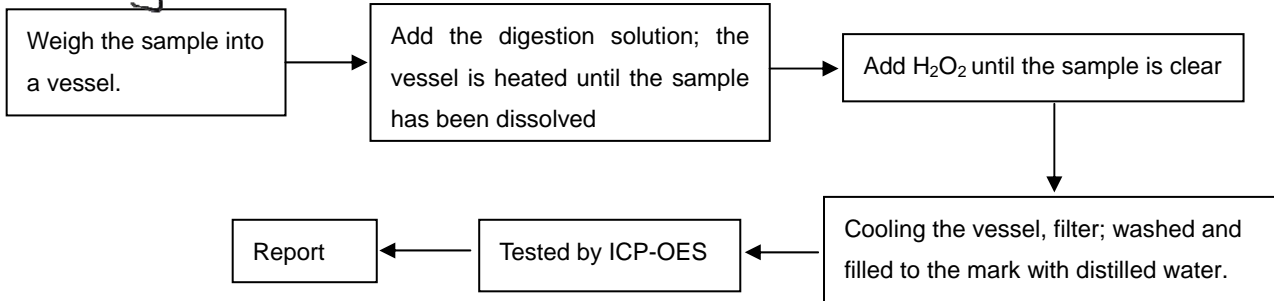


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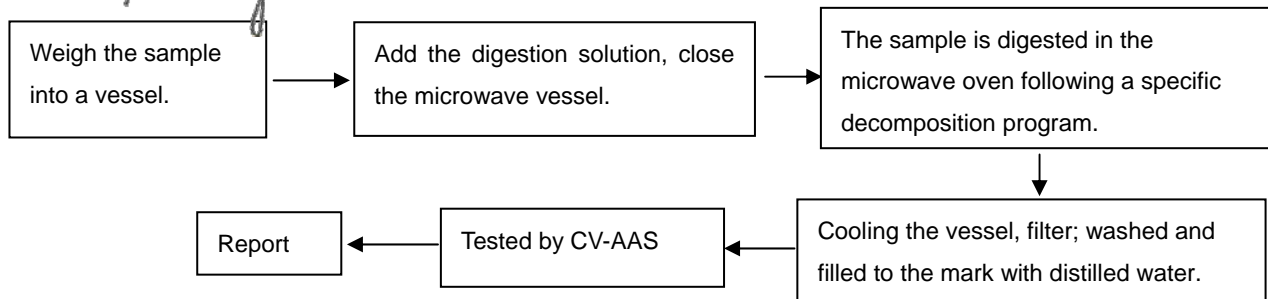
5. To Determine Lead, Cadmium Content (for metal):

Tested by: *Jure*



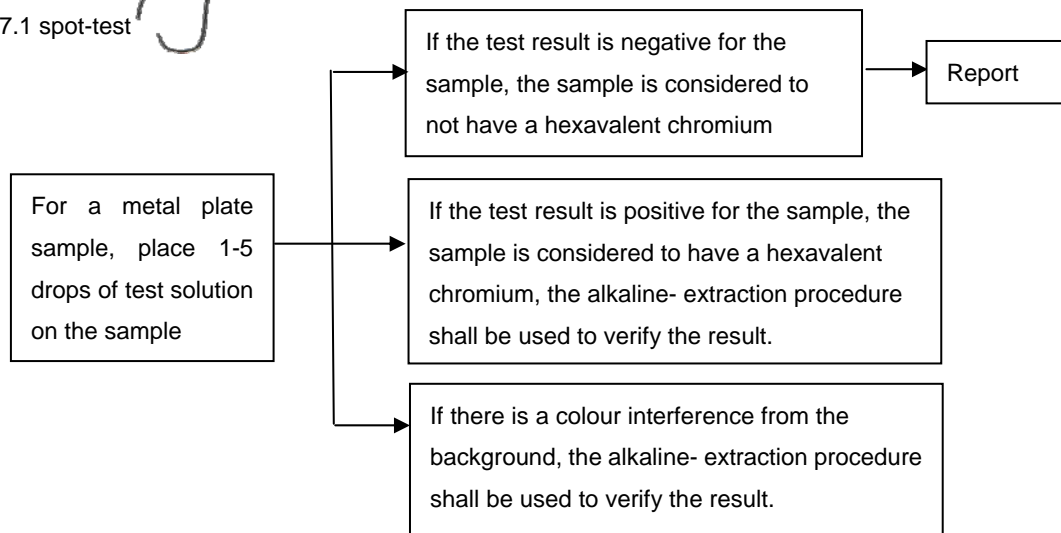
6. To Determine Mercury Content (for metal):

Tested by: *Rosany*



7. To Determine Hexavalent Chromium Content in metals:

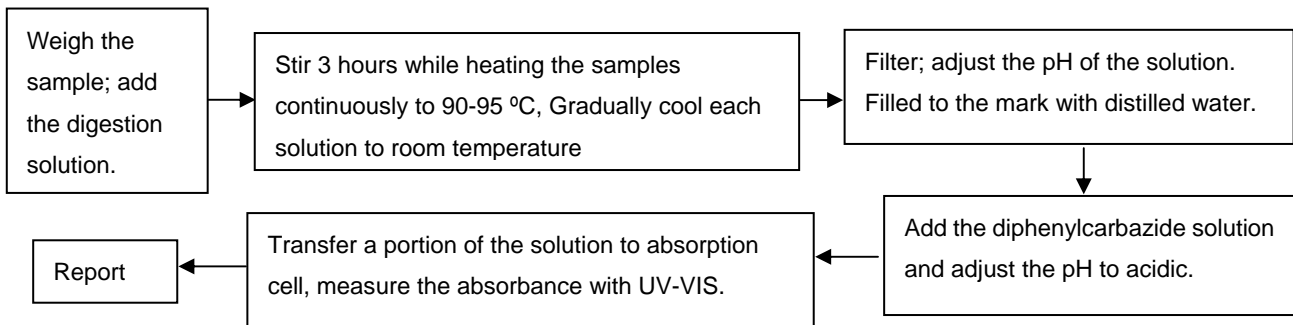
Tested by: *Gary*
7.1 spot-test



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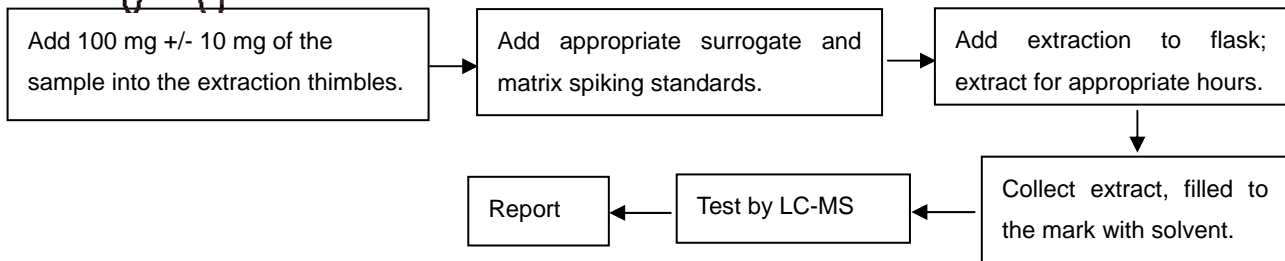


7.2 alkaline- extraction Method



8. To Determine PFOS Content:

Tested by: *Young*



Test Results:

Item	Unit	RoHS Limit	A	B
Lead (Pb)	mg/kg	1000	11	N.D.
Cadmium (Cd)	mg/kg	100	N.D.	N.D.
Mercury (Hg)	mg/kg	1000	N.D.	N.D.
Chromium(CrVI) by spot test	/	/	/	Negative
Chromium (CrVI)	mg/kg	1000	N.D.	N.D.

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Flame Retardants	Unit	RoHS Limit	A
PBBs	mg/kg	1000	N.D.
MonoBB	mg/kg	/	N.D.
DiBB	mg/kg	/	N.D.
TriBB	mg/kg	/	N.D.
TetraBB	mg/kg	/	N.D.
PentaBB	mg/kg	/	N.D.
HexaBB	mg/kg	/	N.D.
HeptaBB	mg/kg	/	N.D.
OctaBB	mg/kg	/	N.D.
NonaBB	mg/kg	/	N.D.
DecaBB	mg/kg	/	N.D.
PBDEs	mg/kg	1000	N.D.
MonoBDE	mg/kg	/	N.D.
DiBDE	mg/kg	/	N.D.
TriBDE	mg/kg	/	N.D.
TetraBDE	mg/kg	/	N.D.
PentaBDE	mg/kg	/	N.D.
HexaBDE	mg/kg	/	N.D.
HeptaBDE	mg/kg	/	N.D.
OctaBDE	mg/kg	/	N.D.
NonaBDE	mg/kg	/	N.D.
DecaBDE	mg/kg	/	N.D.

Item	Unit	Limit	A
PFOS	mg/kg	1000	N.D.

Specimen Description:

No.	Material	Sample Description
A	Porcelain tube	Body
B	Electrode	Both ends electrode

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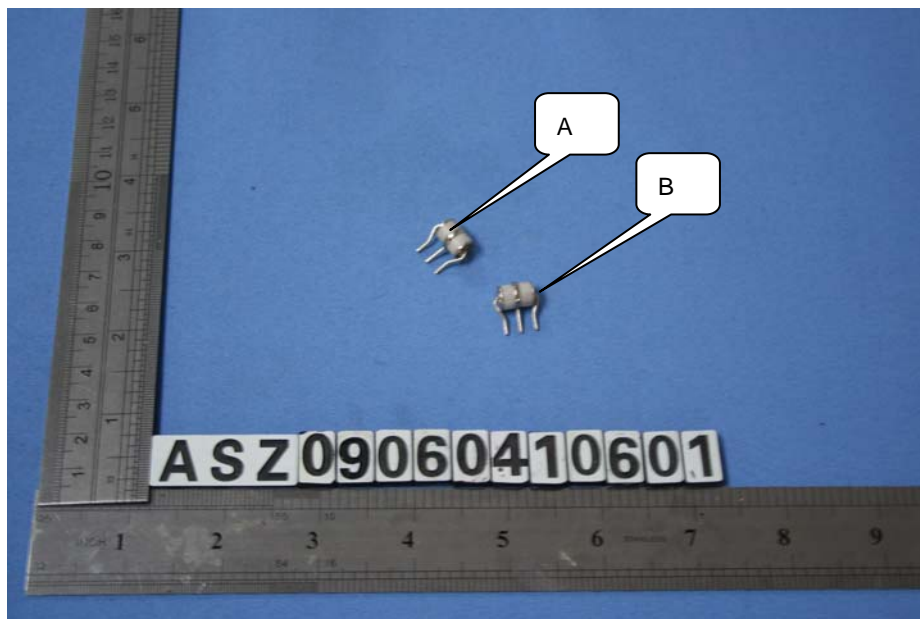
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Note:

- Specimens, which requested to determine Cadmium, Mercury and Lead Content, have been dissolved completely.
- mg/kg=ppm
- N.D.=not detected(<MQL)
- MQL=Method Quantitation Limit
- Spot-test:
Negative=Absence of Cr(VI);
- Photo is included

Photograph of Sample



SURGE ARRESTER

End of Report

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