

Test Report

NO.: NLCKF0QR43491704

Date: 2017.10.19

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Applicant:

JINAN LUJING SEMICONDUCTOR CO.,LTD

(JINAN HUIFENGZHONGTIAN(HFZT) ELECTRONIC CO.,LTD)

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name: Plastic diodes plastic transistors bridge

Sample Model: DO-41/15/27 R-1 R-6 SMA/SMB/SMC/MBS/MBF/ DB/WOM/RS-1/2/6/KBL/KBU/
KBJ/KBP,KBPC,SOT-23/323/363/523/723/923/113/89;SOD-123/323/523/723/
923,TO-92/126/220/251/252/3P/263/277 ABS SOP-4/SOP-8 DFN/QFN

Buyer Name:

JINAN LUJING SEMICONDUCTOR CO.,LTD

(JINAN HUIFENGZHONGTIAN(HFZT) ELECTRONIC CO.,LTD)

Sample Received Date: 2017.10.12

Testing Period: 2017.10.12 To 2017.10.19

Test Method:

- (1) IEC 62321-5 Edition 1.0:2013 method, Lead Analysis is performed by AAS
- (2) IEC 62321-5 Edition 1.0:2013 method, Cadmium Analysis is performed by AAS
- (3) IEC 62321-4 Edition 1.0:2013 method, Mercury Analysis is performed by ICP-OES
- (4) IEC 62321-7-2 Edition 1.0:2017 method, Hexavalent Chromium Analysis is performed by UV-Vis
- (5) IEC 62321-6 Edition 1.0:2015 method, PBBs and PBDEs Analysis is performed by GC-MS
- (6) EN 14582:2016 method, F, Cl, Br, I Analysis is performed by IC
- (7) EPA 3550C:2007 method, PFOS, PFOA Analysis is performed by LC-MS/MS

Test Result:

Please refer to next page(s)

Approved by:

Gaoshenxia

Code: Sg5wgz



www.ponytest.com

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No.36, Jinshui Road, Laoshan District, Qingdao City
(0532) 88706866

Add: Yinghuan Building, Hongqi Road, Nankai District, Tianjin
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Test Result (Unit: mg/kg)

Test Item	MDL	Test Result	RoHS Limit
Lead (Pb)	1	N.D.	1000
Cadmium (Cd)	1	N.D.	100
Mercury (Hg)	1	N.D.	1000
Hexavalent Chromium (Cr ⁶⁺)	8	N.D.	1000
Sum of PBBs	—	N.D.	1000
Bromobiphenyl	5	N.D.	—
Dibromobiphenyl	5	N.D.	—
Tribromobiphenyl	5	N.D.	—
Tetrabromobiphenyl	5	N.D.	—
Pentabromobiphenyl	5	N.D.	—
Hexabromobiphenyl	5	N.D.	—
Heptabromobiphenyl	5	N.D.	—
Octabromobiphenyl	5	N.D.	—
Nonabromobiphenyl	5	N.D.	—
Decabromobiphenyl	5	N.D.	—
Sum of PBDEs	—	N.D.	1000
Bromodiphenyl ether	5	N.D.	—
Dibromodiphenyl ether	5	N.D.	—
Tribromodiphenyl ether	5	N.D.	—
Tetrabromodiphenyl ether	5	N.D.	—
Pentabromodiphenyl ether	5	N.D.	—
Hexabromodiphenyl ether	5	N.D.	—
Heptabromodiphenyl ether	5	N.D.	—
Octabromodiphenyl ether	5	N.D.	—
Nonabromodiphenyl ether	5	N.D.	—
Decabromodiphenyl ether	5	N.D.	—

- Note :
- (1) mg/kg = ppm
 - (2) “—” = Does not stipulate
 - (3) N.D. = Not Detected (< MDL)
 - (4) MDL = Method Detection Limit
 - (5) The most allowable limit value reference to RoHS Directive 2011/65/EU & (EU)2015/863 Annex II
 - (6) The mixing sample test was performed as client's request. Result obtained only gives informality value and does not represent individual sample material.

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Test Result (Unit: mg/kg)

Test Item	MDL	Test Result
F	50	N.D.
Cl	50	N.D.
Br	50	N.D.
I	50	N.D.
PFOS	2	N.D.
PFOA	2	N.D.

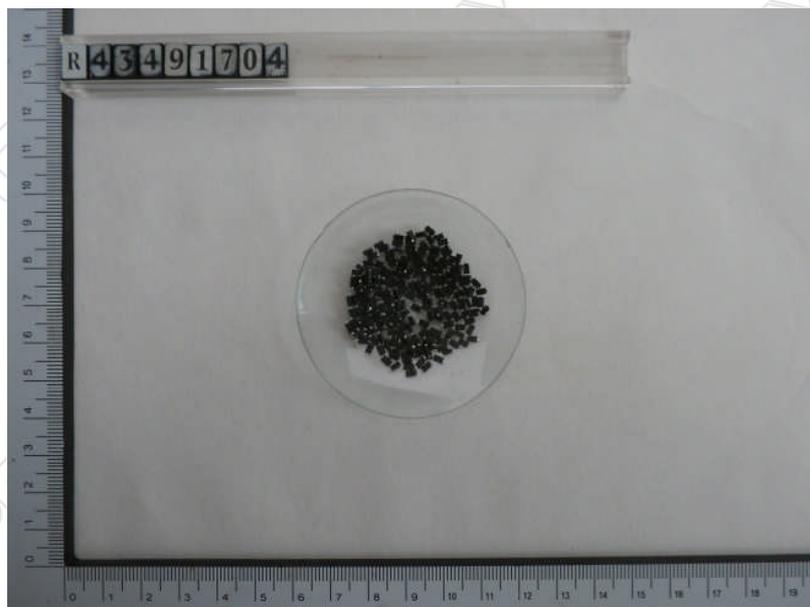
Note: (1) mg/kg = ppm

(2) N.D. = Not Detected (<MDL)

(3) MDL = Method Detection Limit

(4) The mixing sample test was performed as client's request. Result obtained only gives informality value and does not represent individual sample material.

Sample No. & Photo:



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Measurement Flow-chart

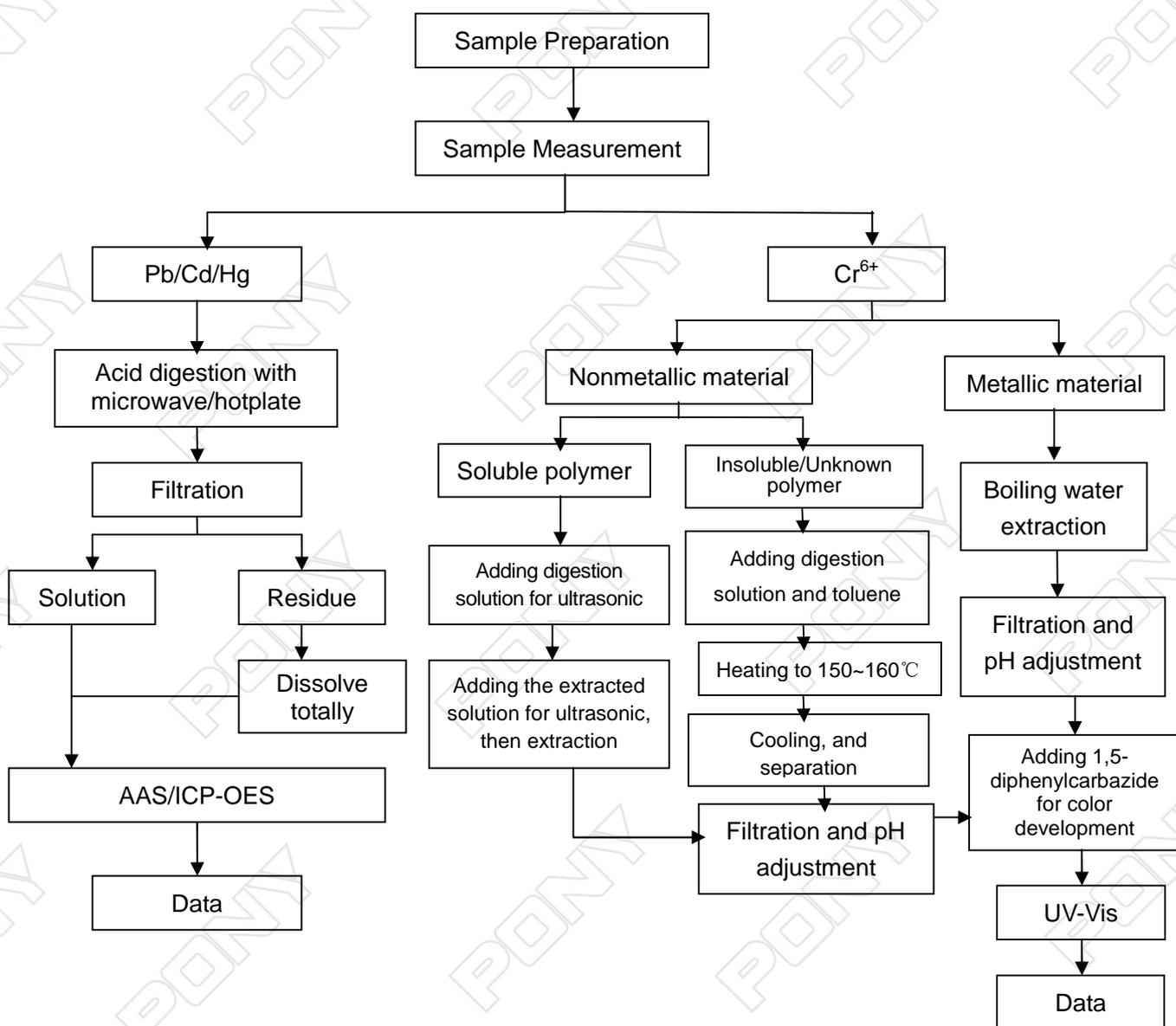
Tested by: Shi Xiaojie

Checked by: Lv Yuanlin

Person in charge of the lab: Gao Shenxia

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart.

(Cr⁶⁺ Test Method Excluded)



Measurement Flow-chart

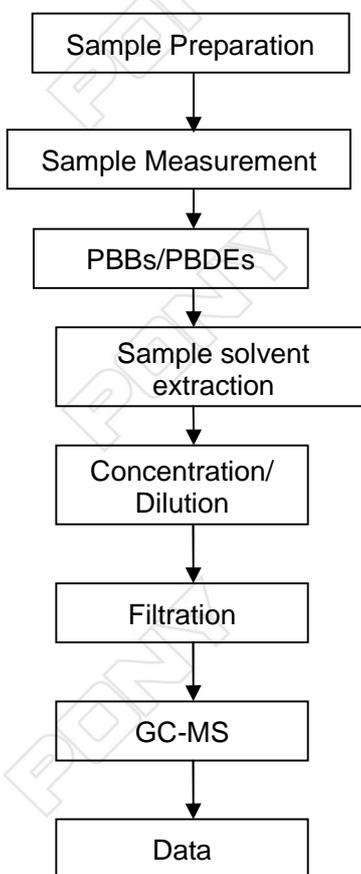
Tested by: Yang Mingjin

Checked by: Lv Yuanlin

Person in charge of the lab: Gao Shenxia

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart.

(PBBs/PBDEs Test Method Excluded)

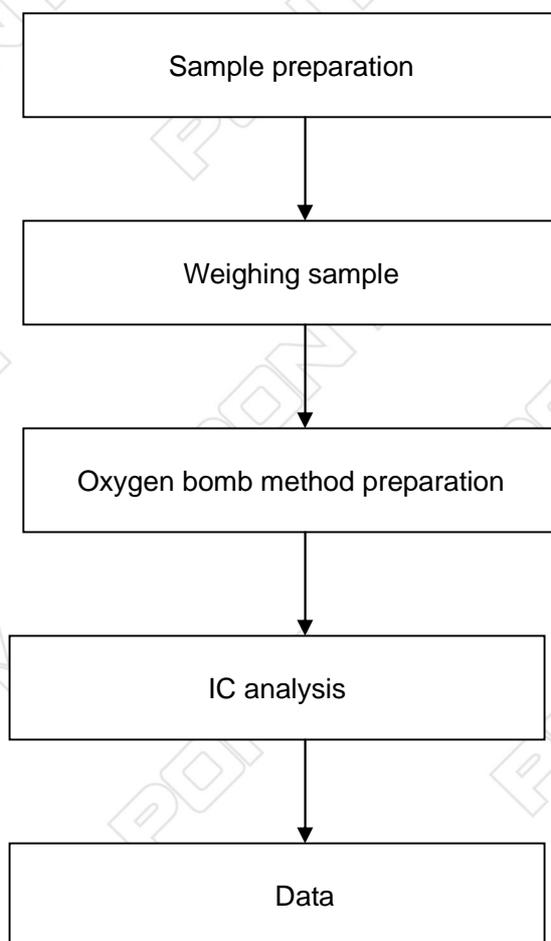


Halogen measurement flow-chart

Tested by: Dong Guangfeng

Checked by: Lv Yuanlin

Person in charge of the lab: Gao Shenxia



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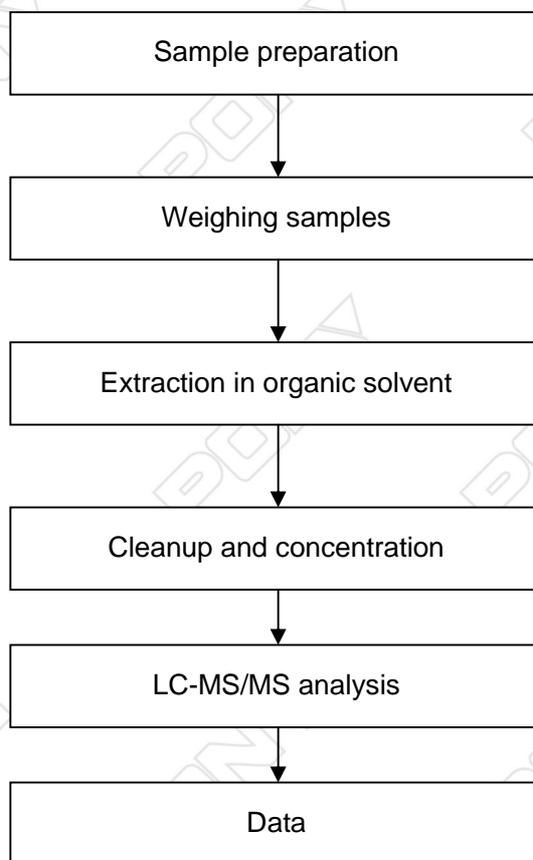
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PFOS, PFOA Measurement Flow-chart

Tested by: Dong Yiwei

Checked by: Lv Yuanlin

Person in charge of the lab: Gao Shenxia



End of Report