



Pony Testing International Group

## Test Report

NO.: 10050421-058-059

Date: 2010.05.07

Page 1 of 8

Applicant: NANTONG FUJITSU MICROELECTRONIC CO.,LTD.

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

Sample Name: SOP16-NT-MGP

Sample Received Date: 2010.05.04

Testing Period: 2010.05.04 To 2010.05.07

Test Method: With reference to IEC62321 Edition 1.0: 2008 method: Regulated Substances  
Content of test process with Electrical & Electronic Products

(1) Lead Analysis is performed by AAS

(2) Cadmium Analysis is performed by AAS

(3) Mercury Analysis is performed by ICP-OES

(4) Hexavalent Chromium Analysis is performed by UV

Hexavalent Chromium Analysis is performed By Spot-test/Boiling-water-extraction Method

(5) PBBs and PBDEs Analysis is performed by GC-MS

With reference to EPA 3540C method,

PFOS,PFOA Analysis is performed by LCMS

With reference to EN 14582: 2007 method,

F, Cl, Br, I Analysis is performed by IC

With reference to JY/T015-1996 method,

Sb Analysis is performed by ICP-OES

Test Result: Please refer to next page(s)

Approved by: *Eric Cao*

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Tel: (010) 82618116

(021) 64851999

(0755) 26050909

Fax: (010) 86219629

(021) 64856403

(0755) 26068336

**Pony Testing International Group**

E-mail: [pony@ponytest.com](mailto:pony@ponytest.com)

[cs@ponytest.com](mailto:cs@ponytest.com)

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Page 2 of 8

Test Result (Unit: mg/kg) Sample Name and Report No: Black plastic 10050421-059

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 <sup>6+</sup> )	1	N.D.	1000
PBBs	—	—	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.	—
PBDEs	—	—	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.	—

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Road, Haidian District, Beijing  
Tel: (010) 82618116  
Fax: (010) 86219629  
E-mail: [pony@ponytest.com](mailto:pony@ponytest.com)

Building 6 of Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen  
(0755) 26050909  
(0755) 26068336  
[sz@ponytest.com](mailto:sz@ponytest.com)

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NO.: 10050421-058-059

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Page 3 of 8

Test Result (Unit: mg/kg) Sample Name and Report No: Black plastic 10050421-059

Test Item	MDL	Test Result
PFOS	2	N.D.
PFOA	2	N.D.
F	50	N.D.
Cl	50	N.D.
Br	50	N.D.
I	50	N.D.
Sb	1	N.D.

Test Result (Unit: mg/kg) Sample Name and Report No: Silvery metal 10050421-058

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 <sup>6+</sup> )	See Note (6)	Negative	—

Test Item	MDL	Test Result
PFOS	2	N.D.
PFOA	2	N.D.

Note: (1) mg/kg = ppm

(2) “—” = Does not stipulate

(3) N.D. = Not Detected (&lt;MDL)

(4) MDL = Method Detection Limit

(5) The most allowable limit value reference to 2002/95/EC RoHS Directive &amp; its subsequent amendment Directive 2005/618/EC

(6) Spot-test:

Negative = Not Detected of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed or negative)

Boiling-water-extraction:

Negative = Not Detected of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50cm<sup>2</sup> sample surface area used.

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District, Shanghai

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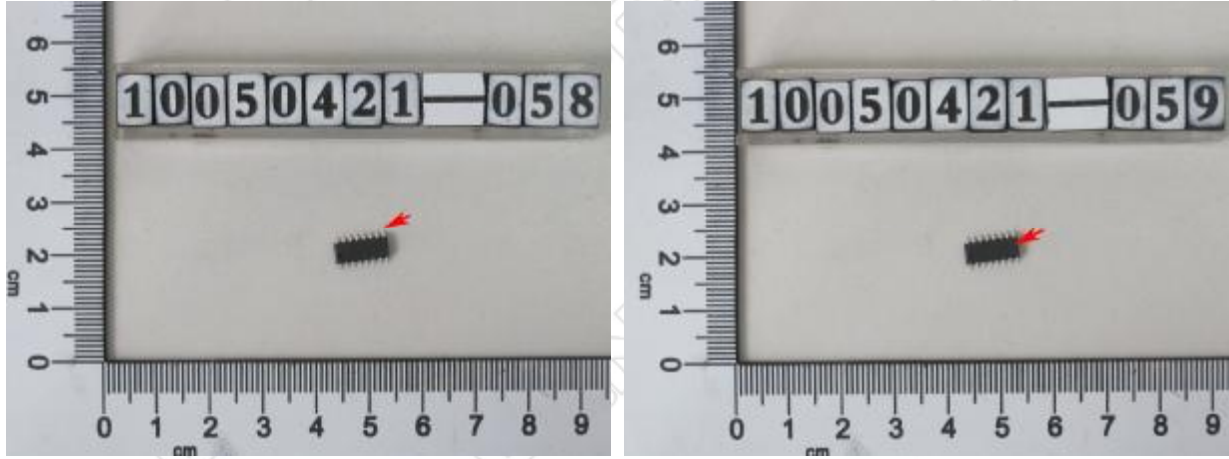
## Test Report

NO.: 10050421-058-059

Date: 2010.05.07

Page 4 of 8

Photo:



Pony authenticate the photo on original report only

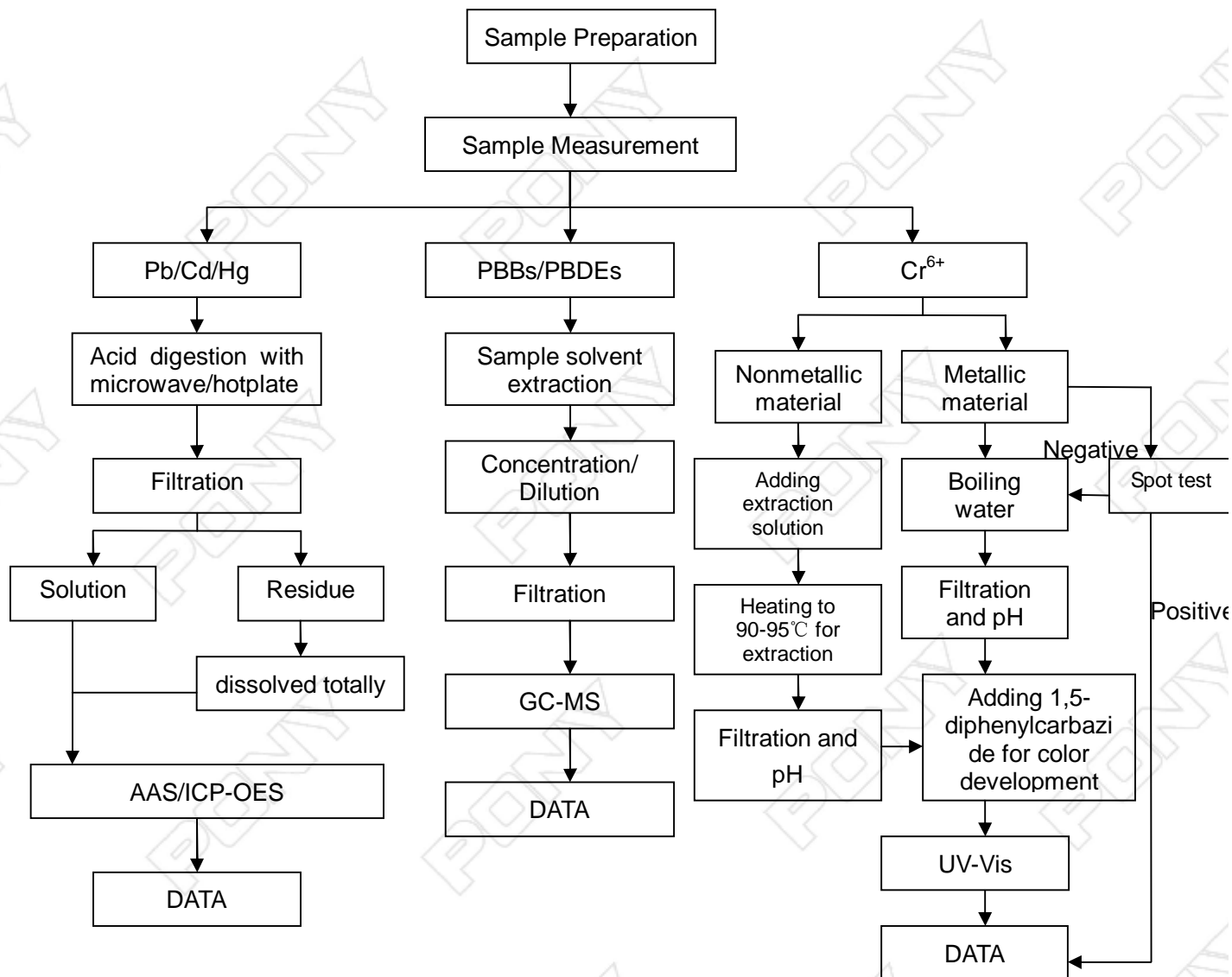
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### Measurement Flow-chart

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart. (Cr<sup>6+</sup> And PBBs/PBDEs Test Method Excluded)



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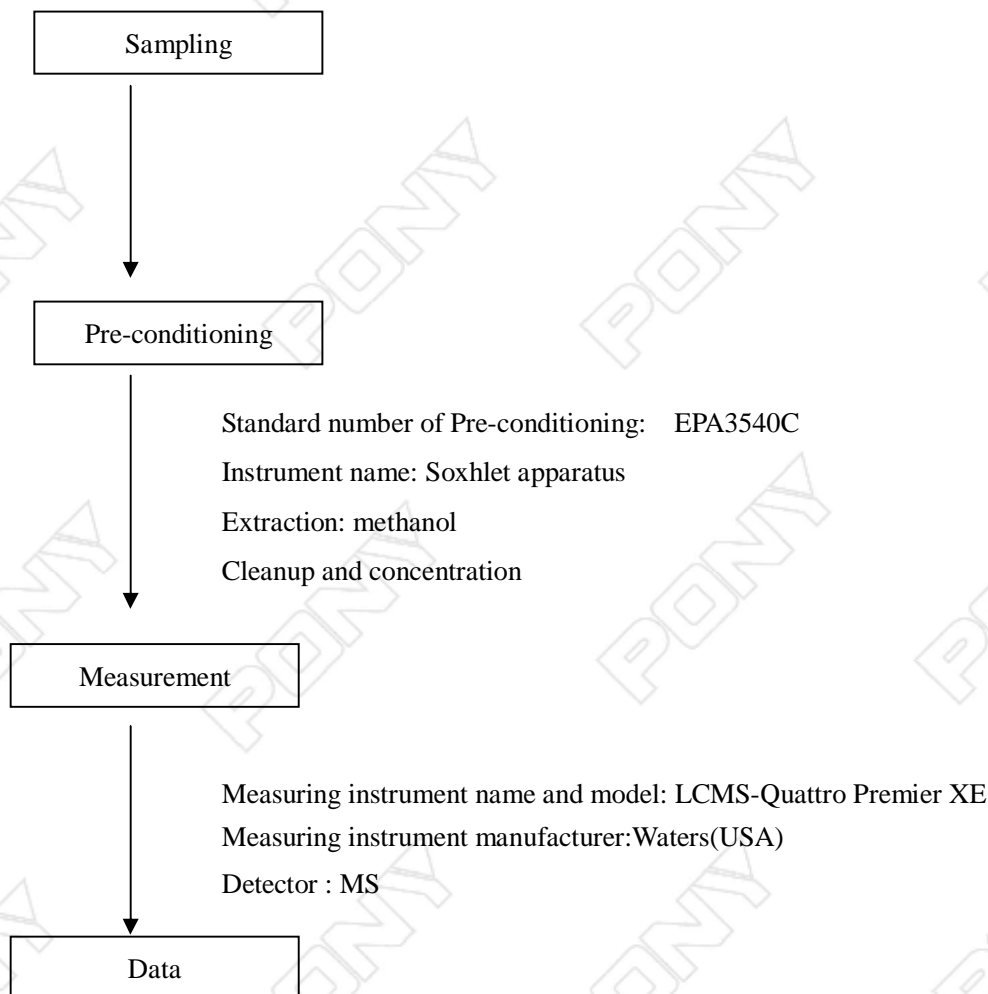
## Test Report

NO.: 10050421-058-059

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Page 6 of 8

## PFOS,PFOA Measurement Flow-chart



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Page 7 of 8

### Halogen measurement flow-chart

Sampling



Pre-conditioning

Pretreatment: EN 14582: 2007  
Instrument: Oxygen bomb  
Absorption solution:  $\text{NaHCO}_3$ ,  $\text{Na}_2\text{CO}_3$



Measurement

Measurement instrument Name and Type: ICS-1000  
Measurement instrument manufacturer: Dionex (USA)  
Detector: Suppressed Conductivity



Data

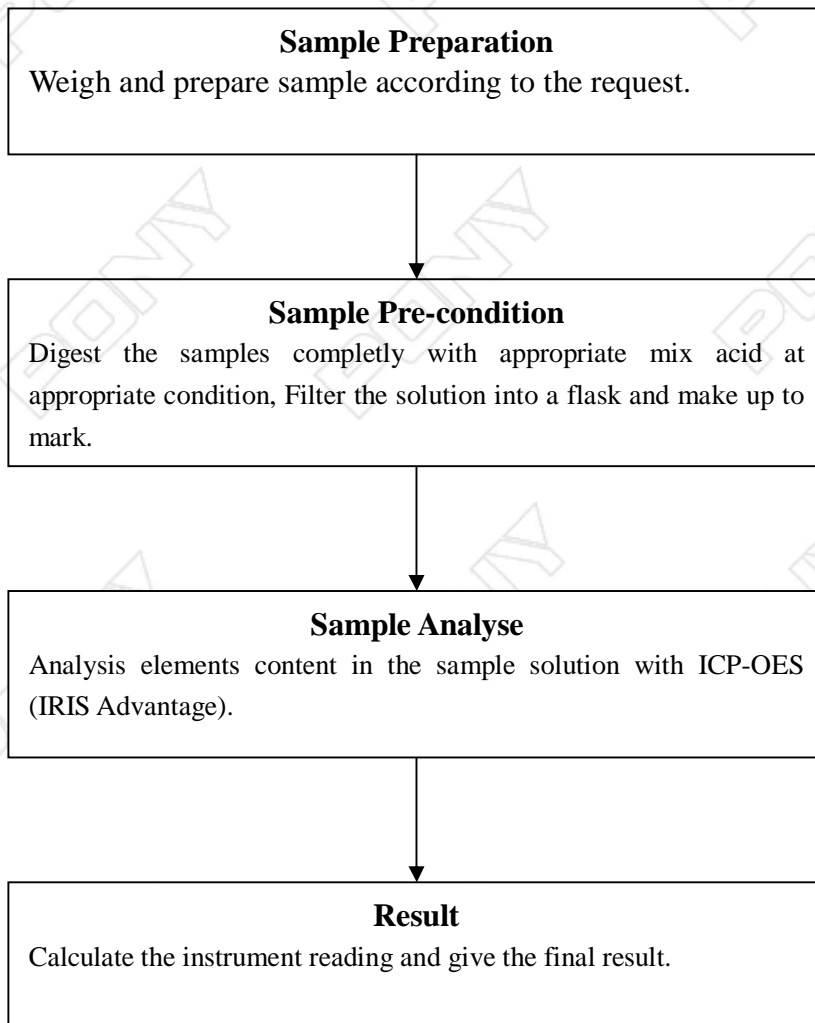
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## Element Measurement Flow-chart



\*\*\*End of Report\*\*\*

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