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关注谱尼测试



Pony Testing International Group

Test Report

NO.: MNCQ6FCH02095704

Date: Jul 15, 2019

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Applicant: HARMONY ELECTRONICS(SHEN ZHEN)
 Address: JU YUAN INDUSTRIAL PARK, QIAO TANG ROAD, TANG WEI
 COMMUNITY,FUYONG, BAOAN DISTRICT, SHEN ZHEN
 CITY, PEOPLE'S REPUBLIC OF CHINA.

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

Sample Name: QUARTZ CRYSTAL RESONATORS
 Sample Model: D/HSX840G(A)&630G&530G&421G&321G&221G&211G
 Manufacturer: HARMONY ELECTRONICS CORP.
 Sample Description: Iron+Cobalt+Nickel+Tungsten+Gold
 Test Component: Overall test

Sample Received Date: Jul 05, 2019
 Testing Period: Jul 05, 2019, TO Jul 15, 2019

Test Items: (1) Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, Phthalates
 (2) F, Cl, Br, I
 (3) Sb, Be
 (4) PFOS, PFOA
 (5) DINP

Reference Method: (1) RoHS Directive 2011/65/EU & (EU)2015/863 Annex II
 a.IEC 62321-5 Edition 1.0:2013 method, Lead Analysis is performed by AAS
 b.IEC 62321-5 Edition 1.0:2013 method, Cadmium Analysis is performed by AAS
 c.IEC 62321-4:2013+AMD1:2017 CSV method,
 Mercury Analysis is performed by ICP-OES
 d.IEC 62321-7-2 Edition 1.0:2017 method,
 Hexavalent Chromium Analysis is performed by UV-Vis
 e.IEC 62321-6 Edition 1.0:2015 method,
 PBBs and PBDEs Analysis is performed by GC-MS
 f. IEC 62321-8 Edition 1.0:2017 method,
 Phthalates Analysis is performed by GC-MS
 (2) EN 14582:2016 method, Analysis is performed by IC
 (3) EPA 6010D:2018&EPA 3052:1996 method,
 Analysis is performed by ICP-OES
 (4) EPA3550C:2007&EPA8321B:2007 method, Analysis is performed by LC-MS
 (5) IEC 62321-8 Edition 1.0:2017 method,
 DINP Analysis is performed by GC-MS

Testing Results: Please refer to next page(s)

Approved by:

Maozu oing



微信扫一扫，使用小程序



小程序扫一扫，在线验证

Code: f3nx87by



Beijing Lab: (010)83055000
 Shanghai Lab: (021)64851999
 Qingdao Lab: (0532)88706866
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Test Result (Unit: mg/kg)

Test Item	MDL	Test Result	RoHS Limit
Lead (Pb)	1	9.52 × 10 ⁴	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.	—



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Test Results (Unit: mg/kg)

Test Item	MDL	Test Result	RoHS Limit
DEHP	50	N.D.	1000
DBP	50	N.D.	1000
BBP	50	N.D.	1000
DIBP	50	N.D.	1000

Test Results (Unit: mg/kg)

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

Test Results (Unit: mg/kg)

Test Item	MDL	Test Result
Sb	1	237
Be	1	N.D.

Test Results (Unit: mg/kg)

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

Test Results (Unit: mg/kg)

Test Item	CAS number	MDL	Test Result
Diisononyl phthalate (DINP)	28553-12-0	50	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



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Sample No. & Photo:



Pony authenticate the photo on original report only



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Address: 1F., Building 6, Zhongxing Industry City, Chuangye Road,
Nanshan District, Shenzhen, Guangdong, China

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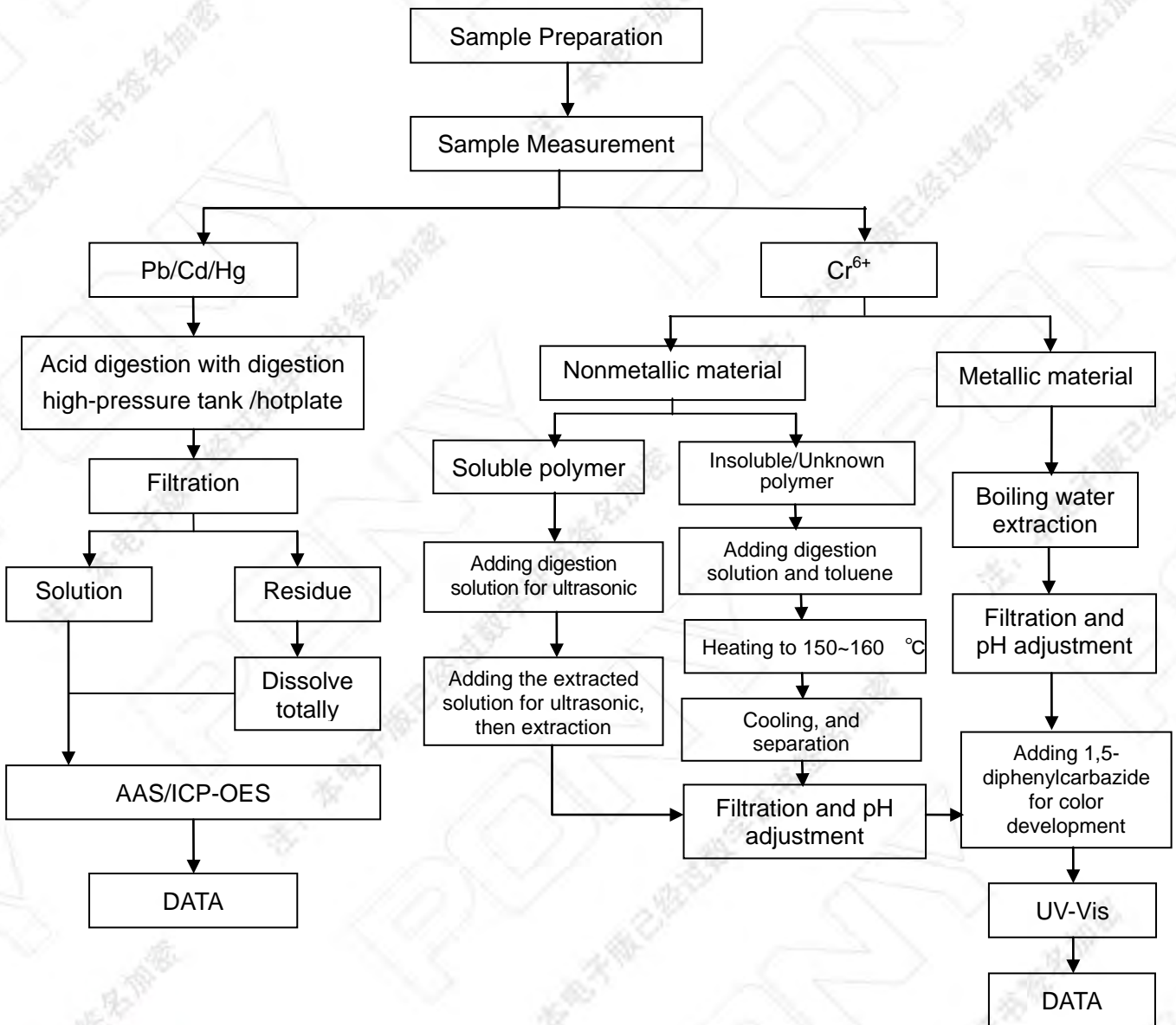
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Measurement Flow-chart

Tested by: Zhou Weiting Checked by: Peng Pingping Person in charge of the lab: Mao Zuqing
These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart.
(Cr⁶⁺ Test Method Excluded)



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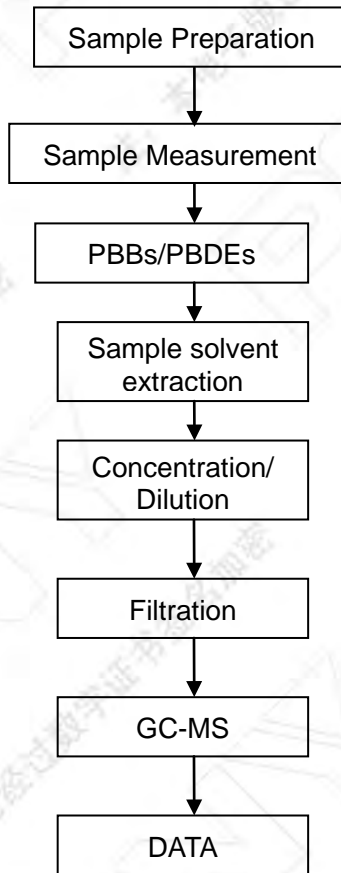
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Measurement Flow-chart

Tested by: Wang Yaowei

Checked by: Peng Pingping

Person in charge of the lab: Mao Zuqing



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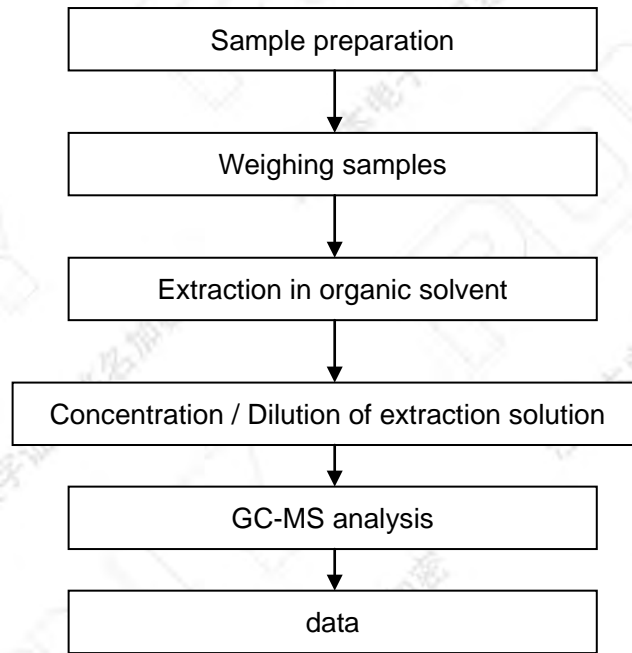
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Phthalates Measurement Flow-chart

Tested by: Jiang Yuejiao

Checked by: Peng Pingping

Person in charge of the lab by: Mao Zuqing



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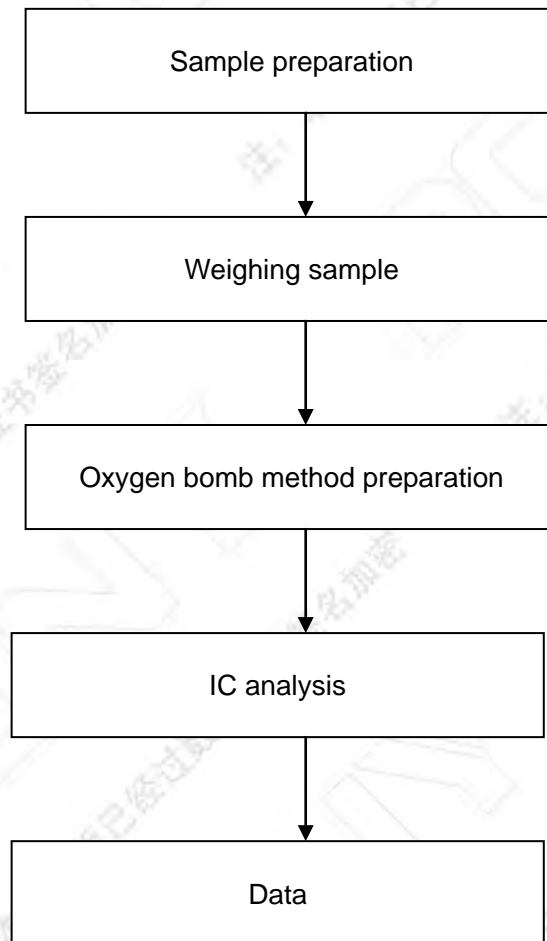
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Halogen measurement flow-chart

Tested by: Guo Xiaoying

Checked by: Peng Pingping

Person in charge of the lab by: Mao Zuqing



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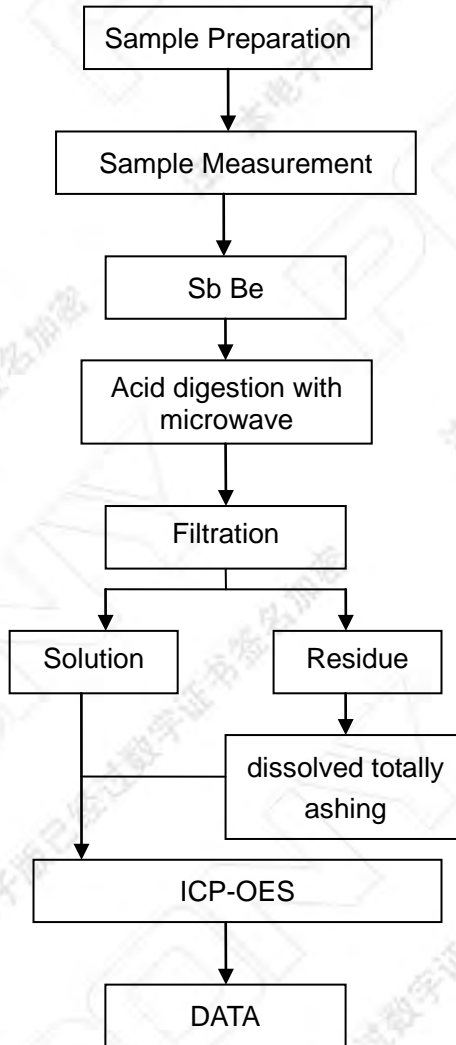
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Sb Be Measurement Flow-chart

Tested by: Mei Wenjun Checked by: Peng Pingping Person in charge of the lab by: Mao Zuqing
These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart.



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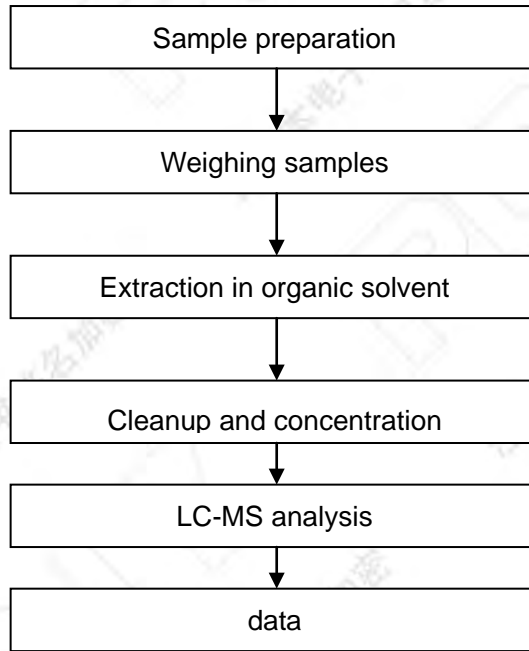
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PFOS,PFOA Measurement Flow-chart

Tested by: Huang Zhenjin

Checked by: Peng Pingping

Person in charge of the lab by: Mao Zuqing



End of Report



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