

Test Report

NO.: MZCWFLHA20088704

Date: Mar 16, 2015

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Applicant: Alent Alpha Metals (Shenzhen) Co., Ltd

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

Sample Name: SACX0307 Solid wire

Manufacturer: Alent Alpha Metals (Shenzhen) Co., Ltd

Sample Received Date: Mar 11, 2015

Testing Period: Mar 11, 2015 TO Mar 16, 2015

Reference Requested: RoHS Directive 2011/65/EU Annex II

Reference 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 Edition 1.0:2008 method, Hexavalent Chromium Analysis is performed by Spot-test/Boiling-water-extraction Method
- (5) IEC 62321 Edition 1.0:2008 method, PBBs and PBDEs Analysis is performed by GC-MS

Test Result: Please refer to next page(s)

Approved by:

tome

Code: vo1uk4peo



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Address: 6th Floor, No.190, Zhuzhou Laoshan District, Qingdao
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Test Result (Unit: mg/kg)

Test Item	MDL	Test Result	RoHS Limit
Lead (Pb)	1	294	1000
Cadmium (Cd)	1	N.D.	100
Mercury (Hg)	1	N.D.	1000
Hexavalent Chromium (Cr ⁶⁺)	See Note (6)	Negative	—
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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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 Annex II
- (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 50cm² sample surface area used.

Sample No. & Photo:



Pony authenticate the photo on original report only

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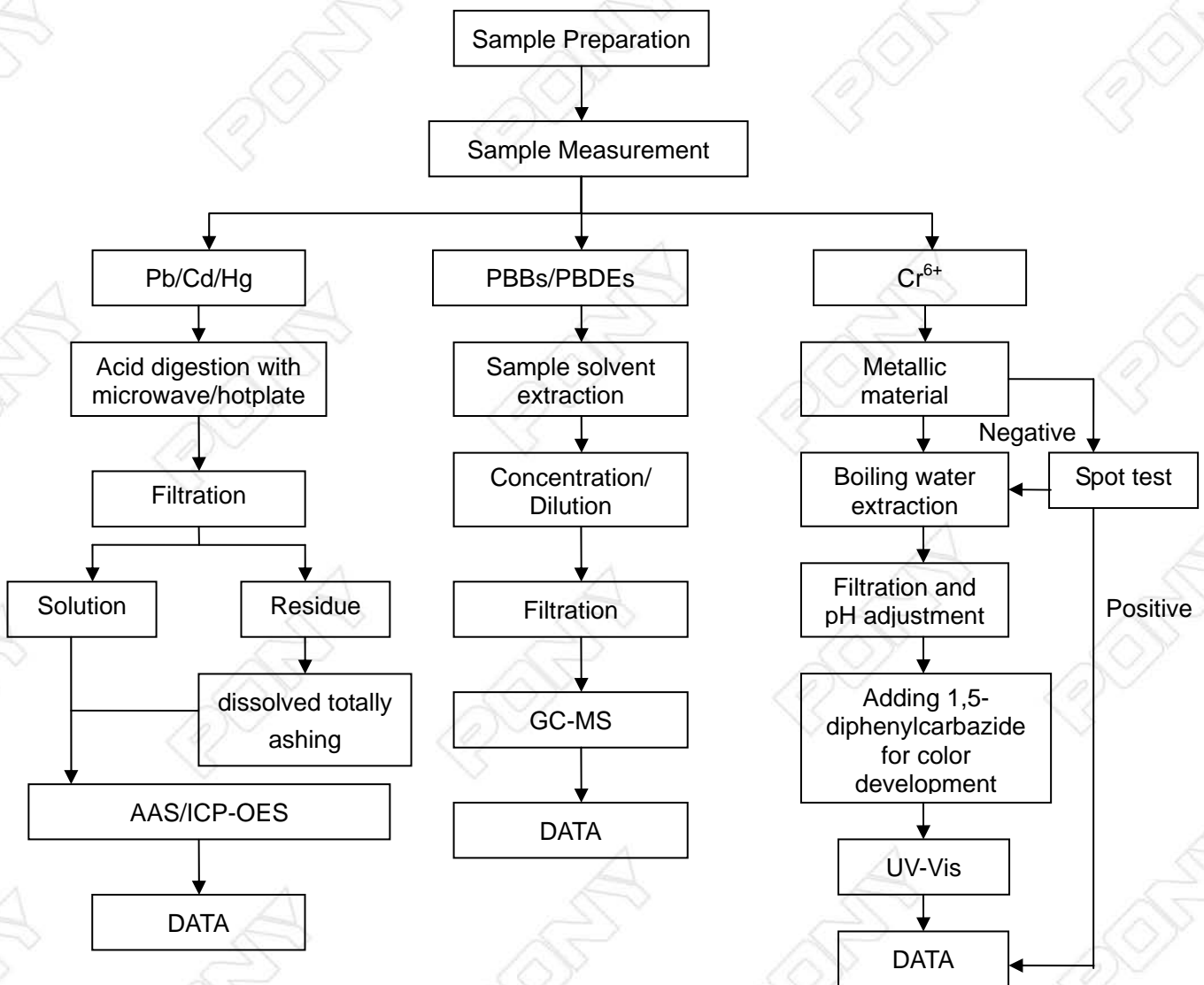
Measurement Flow-chart

Tested by: Guo Xianhe

Checked by: Yang Xin

Person in charge of the lab by: Zhao Yanyuan

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart. (Cr⁶⁺ And PBBs/PBDEs Test Method Excluded)



End of Report



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