

Test Report

NO.: MDCO0QGN36864704

Date: Jan 21, 2016

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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: EF12000 Flux

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

Lot No.: 20902815WL

Sample Received Date: Jan 18, 2016

Testing Period: Jan 18, 2016 TO Jan 21, 2016

Reference Requested: RoHS Directive 2011/65/EU & (EU)2015/863 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 UV-Vis
- (5) IEC 62321-6 Edition 1.0:2015 method, PBBs and PBDEs Analysis is performed by GC-MS

Test Result: Please refer to next page(s)

Conclusion: Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU Annex II.

Approved by:



Code: e6ue0j



www.ponytest.com ☎ Hotline 400-819-5688

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QingdaoLab: (0532) 88706866 DalianLab: (0411) 84650820 NingboLab: (0574) 87736499 GuangzhouLab: (020) 89224310
TianjinLab: (022) 27360730 ZhengzhouLab: (0371) 69350670 HangzhouLab: (0571) 87219096 WuhanLab: (027) 83997127

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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⁺)	1	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



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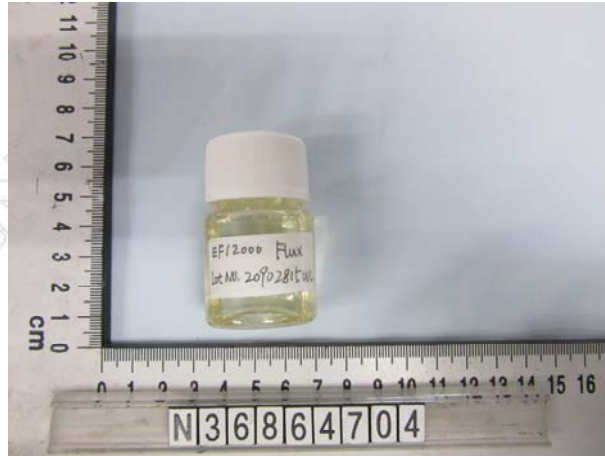
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Sample No. & Photo:



Pony authenticate the photo on original report only



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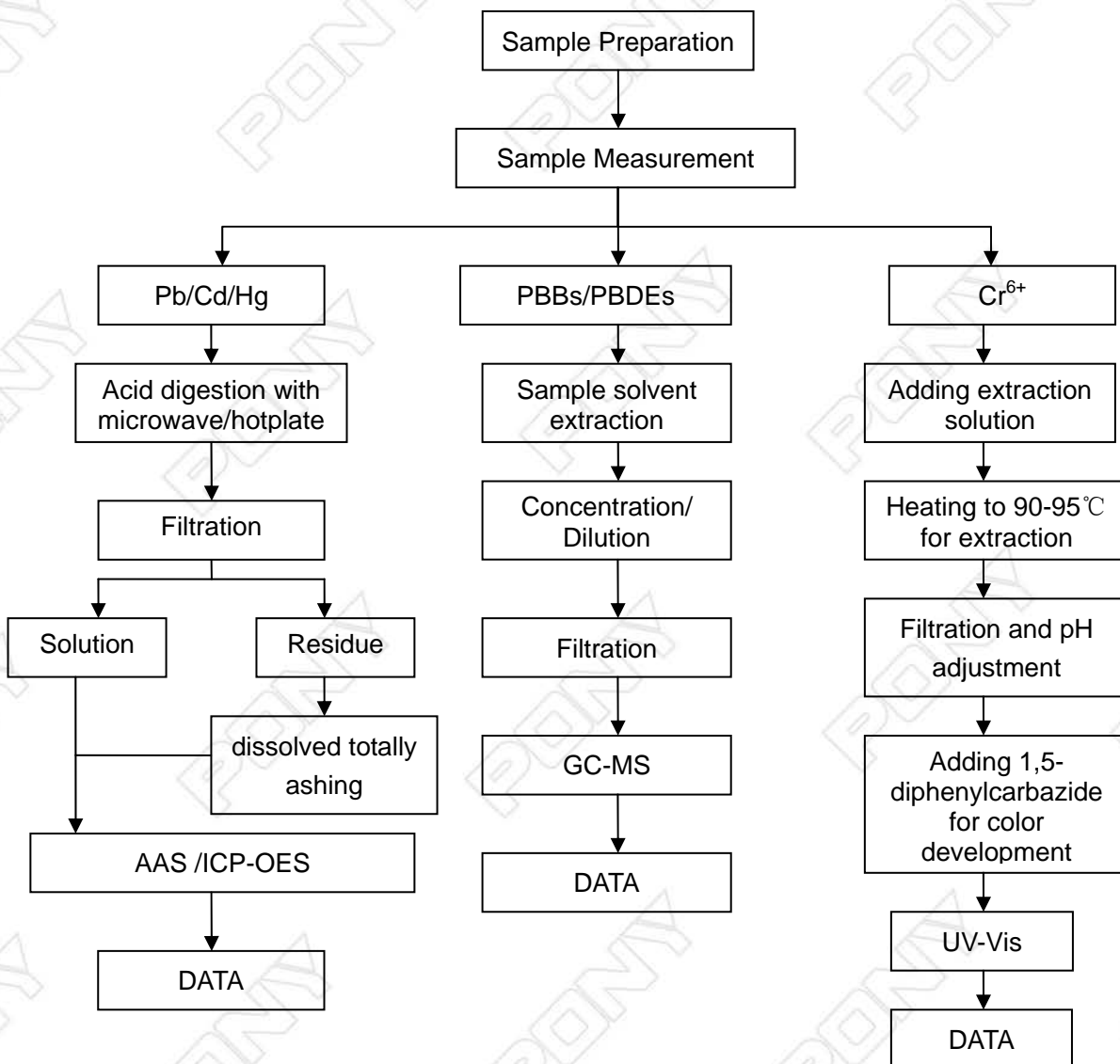
Measurement Flow-chart

Tested by: Li Chuhua

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

