

Report No. A2170054370101001 Page 1 of 7

Applicant ALENT ALPHA METALS (SHENZHEN) CO.,LTD

Address TANGXIAYONG VILLAGE SONGGANG TOWN BAOAN DISTRICT SHENZHEN CITY

The following sample(s) and sample information was/were submitted and identified by/on the behalf

of the client

Sample Name SAC305 Telecore HF-850 Solder Wire

 Item No.
 706091014219

 Sample Received Date
 Oct. 31, 2017

Testing Period Oct. 31, 2017 to Nov. 3, 2017

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent

Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl

Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted

sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Conclusion

Tested Sample According to directive Result

Submitted Sample RoHS Directive 2011/65/EU with Pass

amendment (EU) 2015/863

Hill Zheng

Technical Manager

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with

amendment (EU) 2015/863.

Reviewed by

Date

Nov. 3, 2017

No. R319111644

ntrettesting anternational Group Co., Ltd. CTI Building, No. 4, Liuxian 3rd road, Xin'an Street, Bao'an District, Shenzhen, P. R. China

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com





Report No. A2170054370101001

Page 2 of 7

Test Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015	UV-Vis
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015 Ed 1.0	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	hers (PBDEs) IEC 62321-6:2015 Ed 1.0	
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS



Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No. A2170054370101001

Page 3 of 7

Test Result(s)

Tested Item(s)	Result	MDL	Limit
Lead(Pb)	171 mg/kg	2 mg/kg	1000 mg/kg
Cadmium(Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury(Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium(Cr(VI))	N.D. ▼	0.10 μg/cm² (LOQ)	1000 mg/kg

Tested Item(s)	Result	MDL	Limit
Polybrominated Biphenyls(PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	(3/2)
Decabromobiphenyl	N.D.	5 mg/kg	

Tested Item(s)	Result		MDL	Limit
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.		5 mg/kg	(6)
Dibromodiphenyl ether	N.D.		5 mg/kg	
Tribromodiphenyl ether	N.D.		5 mg/kg	
Tetrabromodiphenyl ether	N.D.	/°>	5 mg/kg	
Pentabromodiphenyl ether	N.D.	(27)	5 mg/kg	1000 mg/kg
Hexabromodiphenyl ether	N.D.		5 mg/kg	
Heptabromodiphenyl ether	N.D.		5 mg/kg	
Octabromodiphenyl ether	N.D.		5 mg/kg	-0.7
Nonabromodiphenyl ether	N.D.		5 mg/kg	
Decabromodiphenyl ether	N.D.		5 mg/kg	6.











Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com





A2170054370101001 Report No.

Page 4 of 7

Test Result(s)

Tested Item(s)	Result		MDL	Limit
Phthalates (DBP, BBP, DEHP, DIBP)				
Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.		50 mg/kg	1000 mg/kg
Butyl benzyl phthalate(BBP) CAS#:85-68-7	N.D.		50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate(DEHP) CAS#:117-81-7	N.D.		50 mg/kg	1000 mg/kg
Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	0	50 mg/kg	1000 mg/kg

Tested Sample/Part Description

Silvery metal wire

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL or LOQ)
- -mg/kg = ppm = parts per million
- -LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is $0.10 \mu g/cm^2$
- The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 μg/cm². The coating is considered a non-Cr(VI) based coating.































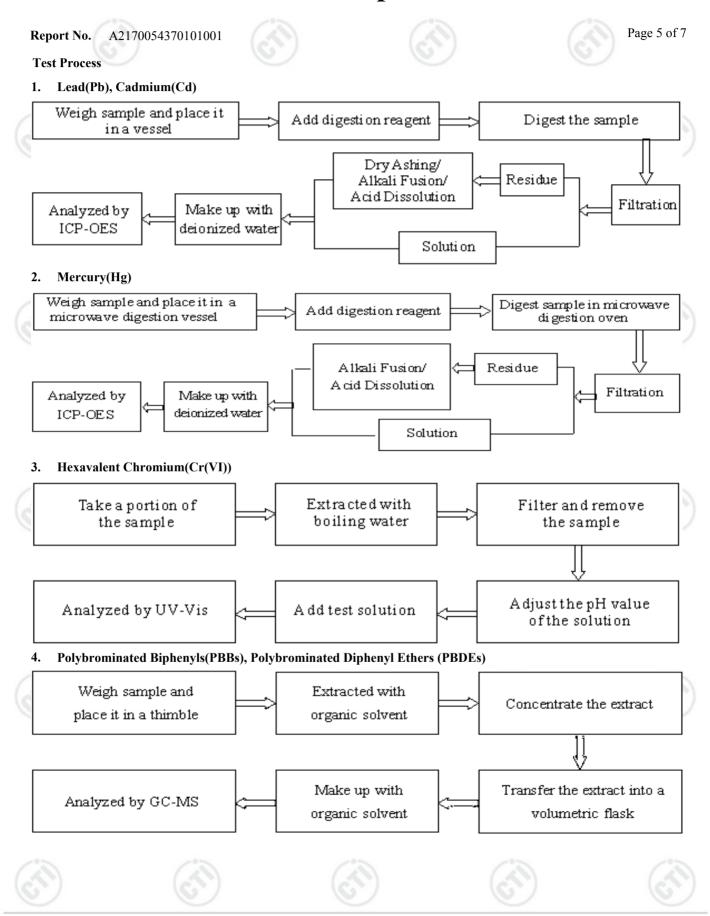




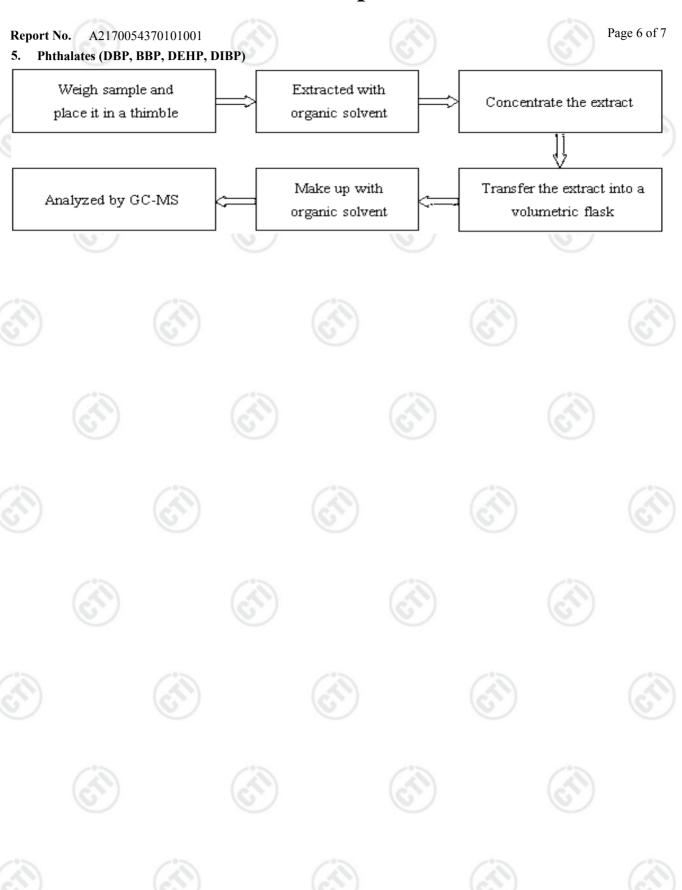














A2170054370101001 Report No.

Page 7 of 7

Photo(s) of the sample(s)



*** End of report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in



Hotline: 400-6788-333 E-mail: info@cti-cert.com www.cti-cert.com