







Report No. A2230355012116001 Page 1 of 8

Company Name DONGGUAN AILLEN ELECTRONIC TECHNOLOGY CO., LTD.

shown on Report

Address NO.28, JINGGANG ZHONG ROAD, SHATIAN TOWN, DONGGUAN CITY,

GUANGDONG PROVINCE, P. R. CHINA

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

the applicant
Sample Name

Melf Resistor Jul. 19, 2023

Testing Period

Sample Received Date

Jul. 19, 2023 to Jul. 27, 2023

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

Date

Jul. 27, 2023

Hill Zheng Technical Manager

Hill Z

No. R450141856

ntre Testing International Group Co.,Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



| Report No. A2230355012 | 116001 | Page 2 of 8 | |
|----------------------------------|--|---------------------------|--|
| ******** | ************* | ******* | |
| Conclusion | | | |
| Tested Sample | According to standard/directive | Result | |
| Submitted Sample | RoHS Directive 2011/65/EU with | PASS | |
| | amendment (EU) 2015/863 | | |
| ******* | *********** | ******* | |
| PASS means that the results show | n on the report comply with the limits set by RoHS Directive 2011/ | 65/EU with amendment (EU) | |
| 2015/863. | | | |

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. A2230355012116001 Page 3 of 8

Test Method

| Tested Item(s) | Test Method | Measured Equipment(s) | |
|-----------------------------------|--|-----------------------|--|
| Lead (Pb) | IEC 62321-5:2013 | ICP-OES | |
| Cadmium (Cd) | IEC 62321-5:2013 | ICP-OES | |
| Mercury (Hg) | IEC 62321-4:2013+AMD1:2017 CSV | ICP-OES | |
| Hexavalent Chromium (Cr(VI)) | IEC 62321-7-2:2017 and/or determination of | UV-Vis/ICP-OES | |
| nexavaient Chromium (Cr(v1)) | Total Chromium by IEC 62321-5:2013 | | |
| Polybrominated Biphenyls (PBBs) | IEC 62321-6:2015 | GC-MS | |
| Polybrominated Diphenyl Ethers | IEC 62321-6:2015 | GC-MS | |
| (PBDEs) | IEC 02321-0.2013 | | |
| Phthalates (DBP, BBP, DEHP, DIBP) | IEC 62321-8:2017 | GC-MS | |

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Report No. A2230355012116001

Page 4 of 8

Test Result(s)

| Tested Item(s) | Result | MDL | Limit |
|------------------------------|--------|---------|------------|
| | 1 | | |
| Lead (Pb) | N.D. | 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. | 8 mg/kg | 1000 mg/kg |

| Tested Item(s) | Result 1 | MDL | Limit |
|---------------------------------|----------|---------|--------------|
| Tested Item(s) | | MIDL | |
| Polybrominated Biphenyls (PBBs) | | | |
| Monobromobiphenyl | N.D. | 5 mg/kg | |
| Dibromobiphenyl | N.D. | 5 mg/kg | |
| Tribromobiphenyl | N.D. | 5 mg/kg | |
| Tetrabromobiphenyl | N.D. | 5 mg/kg | |
| Pentabromobiphenyl | N.D. | 5 mg/kg | 1000 m a/lsa |
| Hexabromobiphenyl | N.D. | 5 mg/kg | 1000 mg/kg |
| Heptabromobiphenyl | N.D. | 5 mg/kg | |
| Octabromobiphenyl | N.D. | 5 mg/kg | |
| Nonabromobiphenyl | N.D. | 5 mg/kg | |
| Decabromobiphenyl | N.D. | 5 mg/kg | |

| Tested Item(s) | Result 1 | MDL | Limit |
|--------------------------|----------|---------|------------|
| | | | |
| Monobromodiphenyl ether | N.D. | 5 mg/kg | |
| Dibromodiphenyl ether | N.D. | 5 mg/kg | |
| Tribromodiphenyl ether | N.D. | 5 mg/kg | 1000 mg/kg |
| Tetrabromodiphenyl ether | N.D. | 5 mg/kg | |
| Pentabromodiphenyl ether | N.D. | 5 mg/kg | |
| Hexabromodiphenyl ether | N.D. | 5 mg/kg | |
| Heptabromodiphenyl ether | N.D. | 5 mg/kg | |
| Octabromodiphenyl ether | N.D. | 5 mg/kg | |
| Nonabromodiphenyl ether | N.D. | 5 mg/kg | |
| Decabromodiphenyl ether | N.D. | 5 mg/kg | |





Report No. A2230355012116001 Page 5 of 8

| Tested Item(s) | Result | MDL | Limit |
|-----------------------------------|--------|----------|------------|
| | 1 | | |
| Phthalates (DBP, BBP, DEHP, DIBP) | | | |
| Dibutyl phthalate (DBP) | N.D. | 50 mg/kg | 1000 mg/kg |
| CAS#:84-74-2 | | | |
| Butyl benzyl phthalate (BBP) | N.D. | 50 mg/kg | 1000 mg/kg |
| CAS#:85-68-7 | | | |
| Di-(2-ethylhexyl) phthalate | N.D. | 50 mg/kg | 1000 mg/kg |
| (DEHP) CAS#:117-81-7 | | | |
| Diisobutyl phthalate (DIBP) | N.D. | 50 mg/kg | 1000 mg/kg |
| CAS#:84-69-5 | | | |

Sample/Part Description

CTI Sample ID No. Description

1 1 Brown body(Tested as a whole)

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

- -The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.
- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL)
- -mg/kg = ppm = parts per million
- -1000 mg/kg = 0.1%

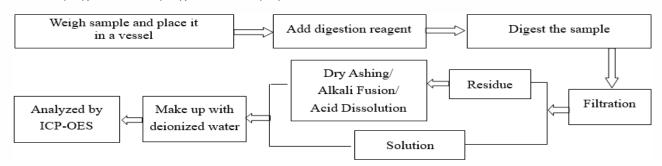


Report No. A2230355012116001

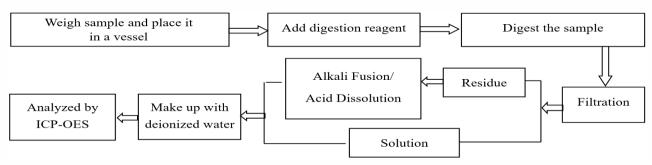
Page 6 of 8

Test Process

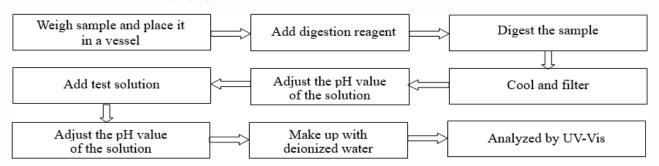
1. Lead (Pb), Cadmium (Cd), Chromium(Cr)



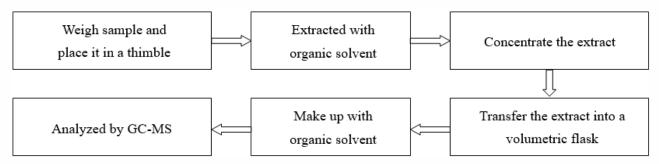
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

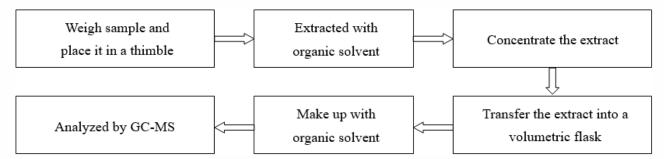




Report No. A2230355012116001

Page 7 of 8

5. Phthalates (DBP, BBP, DEHP, DIBP)



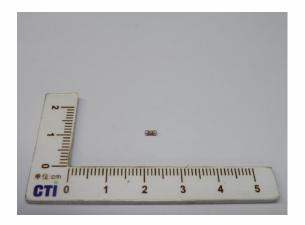
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Report No. A2230355012116001 Page 8 of 8

Photo(s) of the sample(s)

Final Product 1





Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. Without written approval of CTI, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***