

| Test Report                         | No.:   | SHAEC24004921416   | Date:                     | Mar 25, 2024      | Page 1 of 10 |
|-------------------------------------|--|--|---------------------------|-------------------|--------------|
| Client Name: S                      | Client Name: SHANGHAI LEADEMC ELECTRONICS CO., LTD.        |  |                           |                   |              |
|                                     | M801, HONG<br>HANGHAI.                                     | GYI BUILDING , NO.2158, W  | ANYUAN R                  | OAD, MINHANG      | B DISTRICT,  |
| Sample Name:                        | S  | emiconductor Device  |                           |                   |              |
| Model No.:                          | S  | MC   |                           |                   |              |
| Client Ref. Informa                 | Client Ref. Information: See attachment                    |  |                           |                   |              |
| The above sample                    | e(s) and infor   | mation were provided by the  | client.                   |                   |              |
| SGS Job No.:                        | S  | HP24-007631  |                           |                   |              |
| Sample Receiving                    | Sample Receiving Date: Mar 18, 2024                        |  |                           |                   |              |
| Testing Period:                     | Testing Period: Mar 18, 2024 ~ Mar 25, 2024                |  |                           |                   |              |
| Test Requested:                     | Test Requested: Select test(s) as requested by the client. |  |                           |                   |              |
| Test Method(s):                     | Test Method(s): Please refer to next page(s).              |  |                           |                   |              |
| Test Result(s):                     | P  | lease refer to next page(s).   |                           |                   |              |
| Test Requireme                      | nt   |  |                           |                   | Conclusion   |
| - Lead, Mercury,<br>(PBB), Polybrom | Cadmium, H<br>inated diphe                                 | 5/863 amending Annex II to D<br>exavalent chromium, Polybro<br>nyl ethers (PBDE), Bis(2-ethy<br>te (BBP), Dibutyl phthalate (D | minated bi<br>(hexyl) pht | ohenyls<br>nalate | See Results  |
| Halogen                             |  |  |                           |                   | See Results  |

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Dorathe

Dora Hu Approved Signatory





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## Test Result(s):

| Test | Part | Descri | ption |
|------|------|--------|-------|

| SN ID | Sample No. | SGS Sample ID           | Description                              |
|-------|------------|-------------------------|--|
| SN1   | A4         | SHA24-0049214-0001.C004 | Black body with silvery metal (Mix all*) |



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|--|----------|----------|-------------|--------------|
| Test Item(s)                               | Limit    | Unit(s)  | MDL         | A4           |
| Octabrominated diphenyl ether (OctaBDE)    | -        | mg/kg    | 5           | ND           |
| Nonabrominated diphenyl ether<br>(NonaBDE) | -        | mg/kg    | 5           | ND           |
| Decabrominated diphenyl ether<br>(DecaBDE) | -        | mg/kg    | 5           | ND           |
| Bis(2-ethylhexyl) phthalate (DEHP)         | 1000     | mg/kg    | 50          | ND           |
| Butyl benzyl phthalate (BBP)               | 1000     | mg/kg    | 50          | ND           |
| Dibutyl phthalate (DBP)                    | 1000     | mg/kg    | 50          | ND           |
| Diisobutyl phthalate (DIBP)                | 1000     | mg/kg    | 50          | ND           |

#### Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

(4) According to the declaration from the client, Lead (Pb) in No.A4 is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(a)|: Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

More information about exemption can be found via the following link:

https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf (5) According to the declaration from the client, Lead (Pb) in No.A4 is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(c)-I|: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

More information about exemption can be found via the following link:

https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf

### <u>Halogen</u>

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

| Test Item(s) | Unit(s) | MDL | A4 |
|--------------|---------|-----|----|
| Fluorine(F)  | mg/kg   | 20  | ND |
| Chlorine(Cl) | mg/kg   | 50  | 84 |
| Bromine(Br)  | mg/kg   | 50  | ND |
| lodine(l)    | mg/kg   | 50  | ND |

\*The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



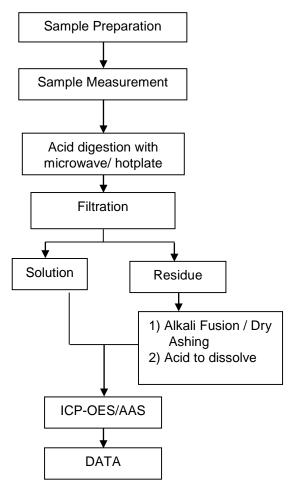
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## **Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.





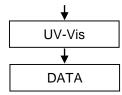
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart

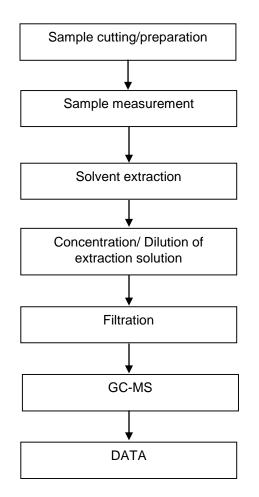
| Metallic |  |
|----------|--|
| material |  |





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## **PBB/PBDE Testing Flow Chart**

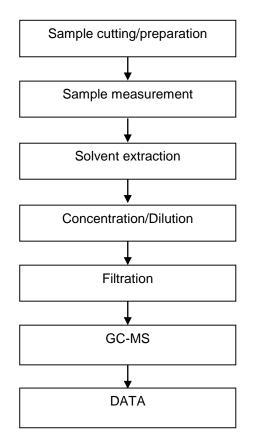




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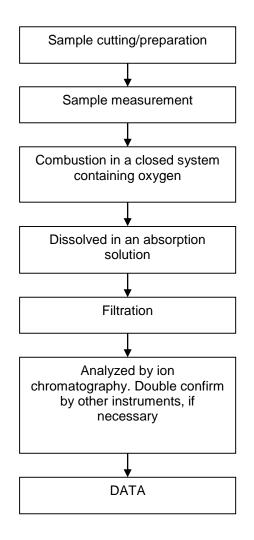
## **Phthalates Testing Flow Chart**





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## Halogen Testing Flow Chart





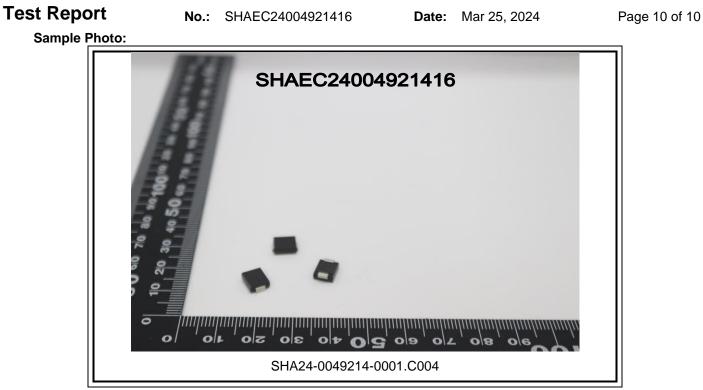
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Attachment: SMA, SMAF, SMB, SMBF, SMC, DO-15, DO-41, DO-201, P600 , DO-214AA/AB/AC, DO-218AB/AC, SOD123, SOD123FL, SOD323, SOD523, SOT23, T0263, T0252, T0277.





SGS authenticate the photo on original report only \*\*\* End of Report \*\*\*