

## TEST REPORT

CheckCode:734973  
Report No.:C202511262469-15E

**Company Name:** Shanghai Eastsoft Microelectronics Co.,Ltd.  
**Address:** 3rd Floor, Building 12,Phoenix Park, No.1515 Gumei Road, Xuhui District,Shanghai.

**The following sample information is provided by the client and responsible for its authenticity**

**Sample Name:** LQFP chip  
**Material:** LQFP44  
**Sample State:** Normal

**Date of Receipt:** Dec.2,2025 **Test Period:** Dec.2,2025 – Dec.9,2025

**Test Request:** As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium [Cr(VI)], Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) content in the submitted sample(s).

**Judge Standard:** RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

**Test Result:** Please refer to following page(s).

**Conclusion:** Based on the performed test on submitted sample, the result(s) **comply with** the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Edited by Yan Xiaolan Reviewed by Huang Yingkun Approved by Zheng Xinqing



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Issue date:Dec.9,2025

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**GRG METROLOGY & TEST GROUP CO., LTD.**

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## Sample description:

| Sample No. | Description  |
|------------|--|
| 1          | Black body with silvery metal pin & beige printing |

## Test method:

| Test Item(s)                           | Test Method                    | Measuring Instrument | Limit     |
|--|--------------------------------|----------------------|-----------|
| Lead (Pb)                              | IEC 62321-5:2013               | ICP-OES/AAS          | 1000mg/kg |
| Cadmium (Cd)                           | IEC 62321-5:2013               | ICP-OES              | 100mg/kg  |
| Mercury (Hg)                           | IEC 62321-4:2013<br>+AMD1:2017 | ICP-OES              | 1000mg/kg |
| Hexavalent Chromium [ Cr ( VI ) ]      | IEC 62321-7-2:2017             | UV-Vis               | 1000mg/kg |
| Polybrominated biphenyls (PBBs)        | IEC 62321-6:2015               | GC-MS                | 1000mg/kg |
| Polybrominated diphenyl ethers (PBDEs) | IEC 62321-6:2015               | GC-MS                | 1000mg/kg |
| Bis(2-ethylhexyl) phthalate (DEHP)     | IEC 62321-8:2017               | GC-MS                | 1000mg/kg |
| Butyl benzyl phthalate (BBP)           | IEC 62321-8:2017               | GC-MS                | 1000mg/kg |
| Dibutyl phthalate (DBP)                | IEC 62321-8:2017               | GC-MS                | 1000mg/kg |
| Diisobutyl phthalate (DIBP)            | IEC 62321-8:2017               | GC-MS                | 1000mg/kg |

## Test result(s):

| Test Item                    | Sample | Unit  | MDL |
|------------------------------|--------|-------|-----|
|                              | 1      |       |     |
| Lead (Pb)                    | N.D.   | mg/kg | 2   |
| Cadmium (Cd)                 | N.D.   | mg/kg | 2   |
| Mercury (Hg)                 | N.D.   | mg/kg | 2   |
| Hexavalent Chromium [Cr(VI)] | N.D.   | mg/kg | 8   |

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| Test Item                | Sample | Unit  | MDL |
|--------------------------|--------|-------|-----|
|                          | 1      |       |     |
| Sum of PBBs              | N.D.   | mg/kg | --- |
| Monobromobiphenyl        | N.D.   | mg/kg | 50  |
| Dibromobiphenyl          | N.D.   | mg/kg | 50  |
| Tribromobiphenyl         | N.D.   | mg/kg | 50  |
| Tetrabromobiphenyl       | N.D.   | mg/kg | 50  |
| Pentabromobiphenyl       | N.D.   | mg/kg | 50  |
| Hexabromobiphenyl        | N.D.   | mg/kg | 50  |
| Heptabromobiphenyl       | N.D.   | mg/kg | 50  |
| Octabromobiphenyl        | N.D.   | mg/kg | 50  |
| Nonabromobiphenyl        | N.D.   | mg/kg | 50  |
| Decabromobiphenyl        | N.D.   | mg/kg | 50  |
| Sum of PBDEs             | N.D.   | mg/kg | --- |
| Monobromodiphenyl ether  | N.D.   | mg/kg | 50  |
| Dibromodiphenyl ether    | N.D.   | mg/kg | 50  |
| Tribromodiphenyl ether   | N.D.   | mg/kg | 50  |
| Tetrabromodiphenyl ether | N.D.   | mg/kg | 50  |
| Pentabromodiphenyl ether | N.D.   | mg/kg | 50  |
| Hexabromodiphenyl ether  | N.D.   | mg/kg | 50  |
| Heptabromodiphenyl ether | N.D.   | mg/kg | 50  |
| Octabromodiphenyl ether  | N.D.   | mg/kg | 50  |
| Nonabromodiphenyl ether  | N.D.   | mg/kg | 50  |
| Decabromodiphenyl ether  | N.D.   | mg/kg | 50  |

| Test Item                          | Sample | Unit  | MDL |
|------------------------------------|--------|-------|-----|
|                                    | 1      |       |     |
| Bis(2-ethylhexyl) phthalate (DEHP) | N.D.   | mg/kg | 50  |
| Butyl benzyl phthalate (BBP)       | N.D.   | mg/kg | 50  |
| Dibutyl phthalate (DBP)            | N.D.   | mg/kg | 50  |
| Diisobutyl phthalate (DIBP)        | N.D.   | mg/kg | 50  |

- Remark:
- 1) mg/kg = ppm
  - 2) MDL = Method Detection Limit
  - 3) "N.D." = Not Detected (Below Method Detection Limit)

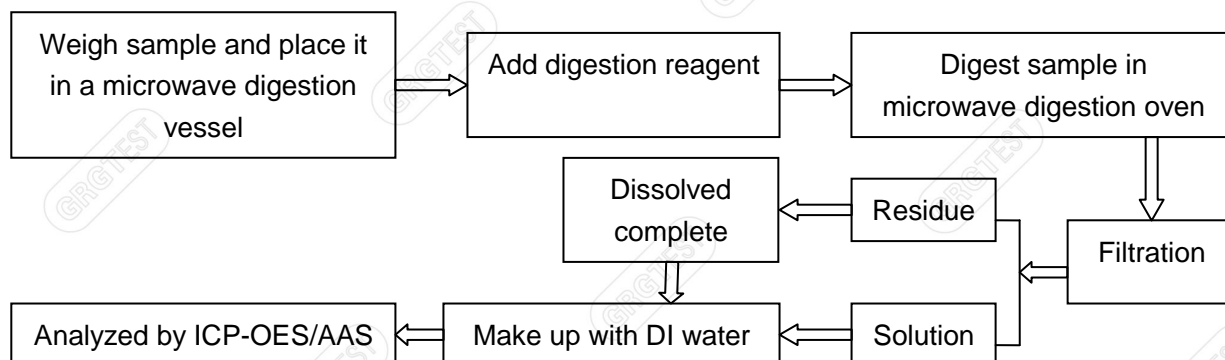
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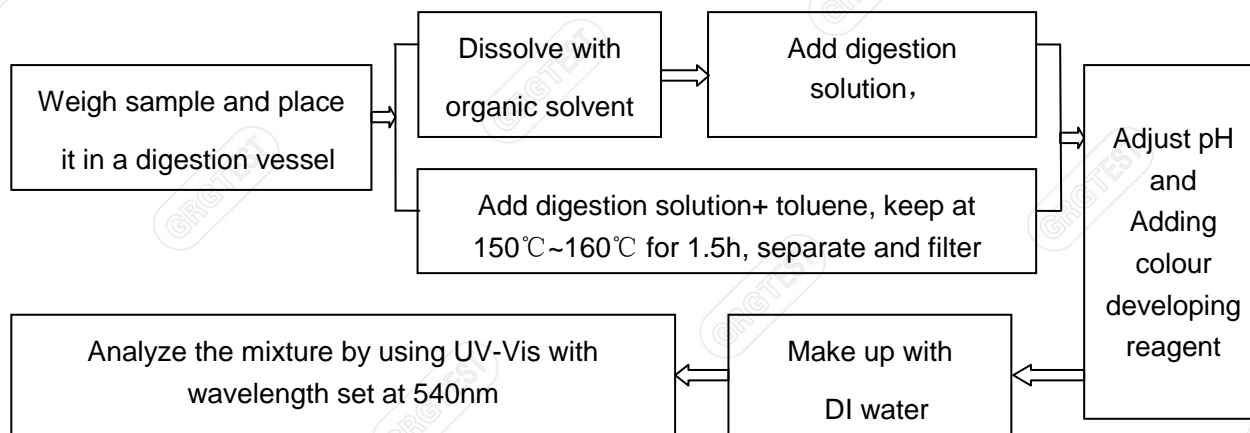
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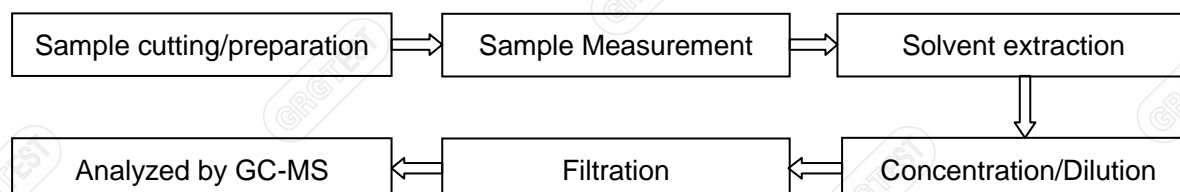
## Test Process for Pb / Cd / Hg



## Test Process for Cr (VI)



## Test Process for PBBs & PBDEs



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## Test Process for Phthalates

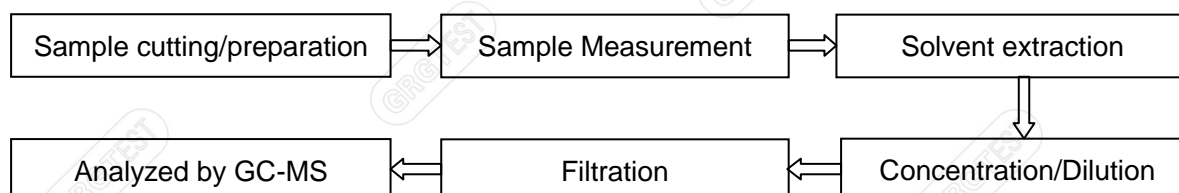
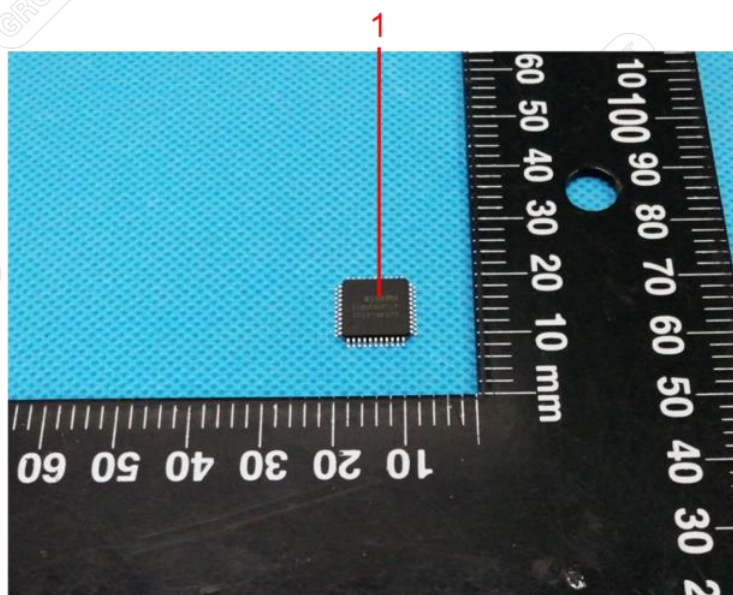


Photo of Sample



-----End of Report-----