

## TEST REPORT

CheckCode:323830  
Report No.:C202511262469-16E

**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: LQFP48  
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



扫一扫 验真伪

Issue date:Dec.9,2025

The result(s) shown in this report refer(s) only to the sample(s) tested. This report is considered invalid without approved signature, special seal for inspection and testing and the seal on the perforation. This report cannot be reproduced except in full, without prior written approval of the company. Any disagreements of the test report should be fed back to us within 15 workdays upon receiving the report. Scan the QR code on the first page of the test report, or log on to the official website <http://www.grgtmall.com>, enter the report number and check code to check the authenticity of the report. If you have any questions, please contact the email [grgtest@grgtest.com](mailto:grgtest@grgtest.com). GRGT assumes no responsibility for information leakage caused by improper management of the QR code and the check code by customers.

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

Add: No.8,Chuangyun Road,Panyu District,Guangzhou,Guangdong,China  
Tel: 4006020999      Fax: +86-020-38698685      Website: <http://www.grgtest.com>

## TEST REPORT

CheckCode:323830  
Report No.:C202511262469-16E

## 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	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	100mg/kg
Mercury (Hg)	IEC 62321-4:2013 +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)	19	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

## TEST REPORT

CheckCode:323830  
Report No.:C202511262469-16E

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)

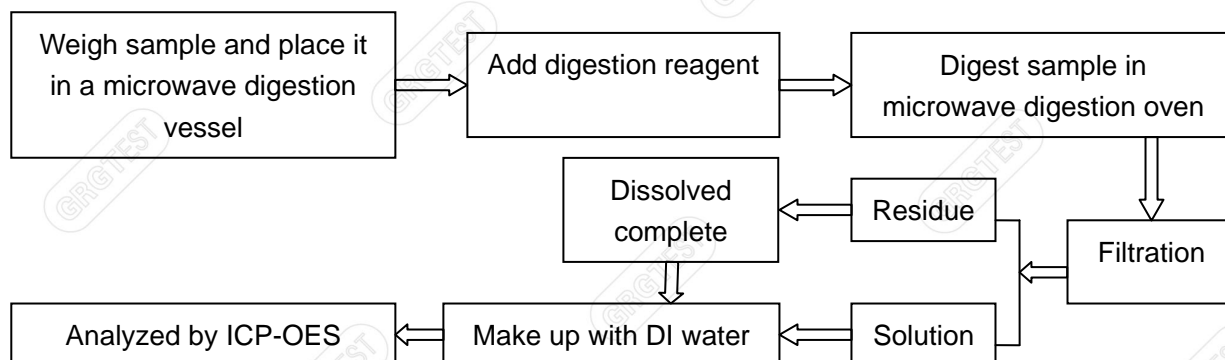
## GRG METROLOGY &amp; TEST GROUP CO., LTD.

Add: No.8,Chuangyun Road,Panyu District,Guangzhou,Guangdong,China  
Tel: 4006020999 Fax: +86-020-38698685 Website: <http://www.grgtest.com>

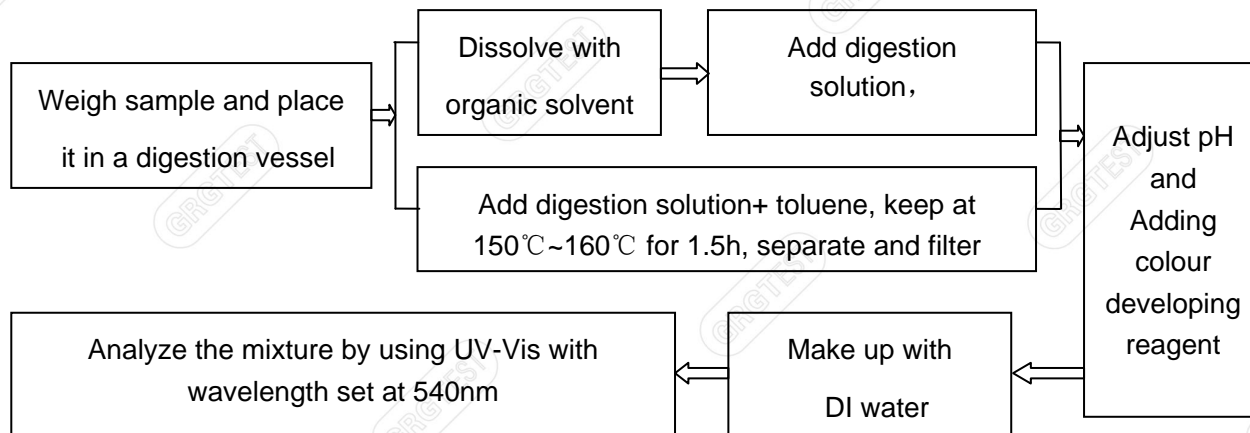
# TEST REPORT

CheckCode:323830  
Report No.:C202511262469-16E

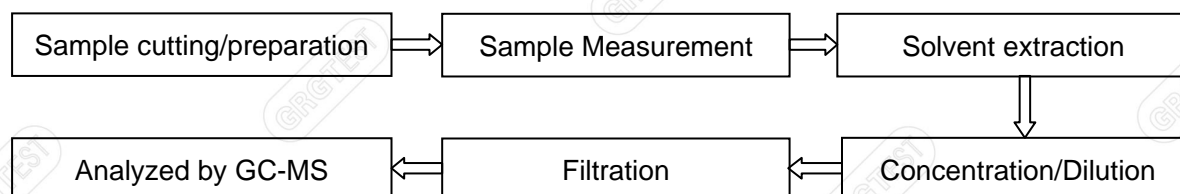
## Test Process for Pb / Cd / Hg



## Test Process for Cr (VI)



## Test Process for PBBs & PBDEs



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

Add: No.8,Chuangyun Road,Panyu District,Guangzhou,Guangdong,China  
Tel: 4006020999 Fax: +86-020-38698685 Website: <http://www.grgtest.com>

# TEST REPORT

CheckCode:323830  
Report No.:C202511262469-16E

## Test Process for Phthalates

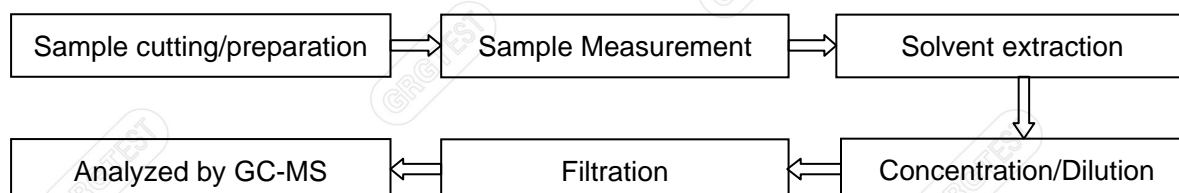
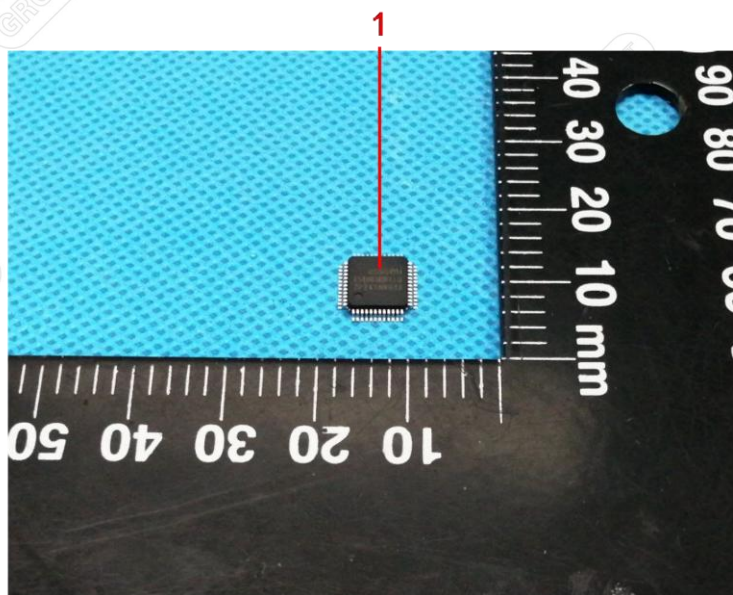


Photo of Sample



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