

TEST REPORT

NO.: A001R202321051001-2

Date: Aug 24, 2023

Page 1 of 6

Applicant: EastRising Technology Co., Ltd

Address: 6G, Building A1, Zhujiang Square, Zhongxin Cheng, Longgang District, Shenzhen, China

Report on the submitted sample said to be
Sample name: Liquid-crystal display module

Model: ERS65231-1

Item/Lot No.: /

Material: /

Buyer: /

Supplier: /

Manufacturer: /

Sample received date: Aug 19, 2023

Testing period: From Aug 20, 2023 to Aug 21, 2023

Test Requested:

 (1): As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr⁶⁺), Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) content in the submitted sample.

(2): As specified by client, based on REACH Regulation No.1907/2006/EC, to determine HBCDD, DEHP, DBP, BBP content in the submitted samples.

Test Method:

(1) -With reference to IEC 62321:2008 Ed 1.0 Electrotechnical products - Determination of levels of six regulated substances

-With reference to IEC 62321:2013 Ed 1.0 Determination of certain substances in electrotechnical products

Test Item	Pretreatment Method	Measuring Instrument	MDL
Lead	IEC 62321-5:2016 Ed 1.0 Section 7.2/7.3	ICP-OES	2 mg/kg
Cadmium	IEC 62321-5:2016 Ed 1.0 Section 7.2/7.3	ICP-OES	2 mg/kg
Mercury	IEC 62321-4:2016 Ed 1.0 Section 7.2	ICP-OES	2 mg/kg
Hexavalent Chromium	IEC 62321:2008 Ed 1.0 Annex C	UV-VIS	2 mg/kg
	IEC 62321:2008 Ed 1.0 Annex B	UV-VIS	/
Polybrominated Biphenyls/ Polybrominated Diphenyl Ethers	IEC 62321:2008 Ed 1.0 Annex A	GC-MS	5 mg/kg

(2)

Test Item	Pretreatment Method	Measuring Instrument	MDL
HBCDD	US EPA 3540C:1996	GC-MS	10 mg/kg
DEHP, DBP, BBP	EN 14372:2004	GC-MS	30 mg/kg

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

 Signed for and on behalf of
 Shenzhen AOV Testing Technology Co., Ltd

Tested by:



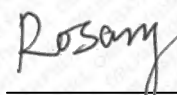
 Lv Jie Hua, Jeewah
 Technical Director

Reviewed by:



 Liu Lin Wen, Lewis
 Laboratory Supervisor

Approved by:



 Luo Jun, Rosary
 Project Leader

SHENZHEN AOV TESTING TECHNOLOGY CO.,LTD

 1F East,2-6F, Block 5, Yuantou Lane, Tanglang, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China
 Tel: +86-755-8600 8000 Fax: +86-755-8600 8282 Http://www.aovt.com Postcode: 518055
 (Attention is drawn to the terms and conditions printed overleaf)


 Hotline
 400 700 8600

TEST REPORT

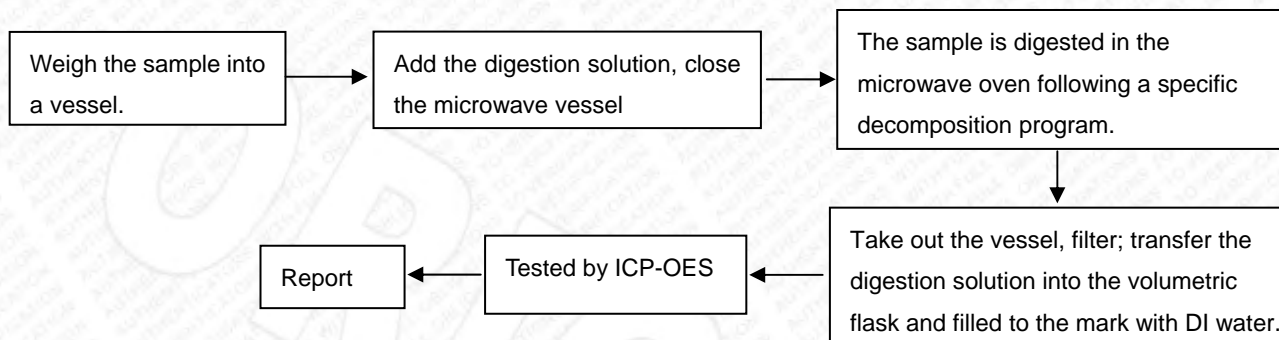
NO.: A001R202321051001-2

Date: Aug 24, 2023

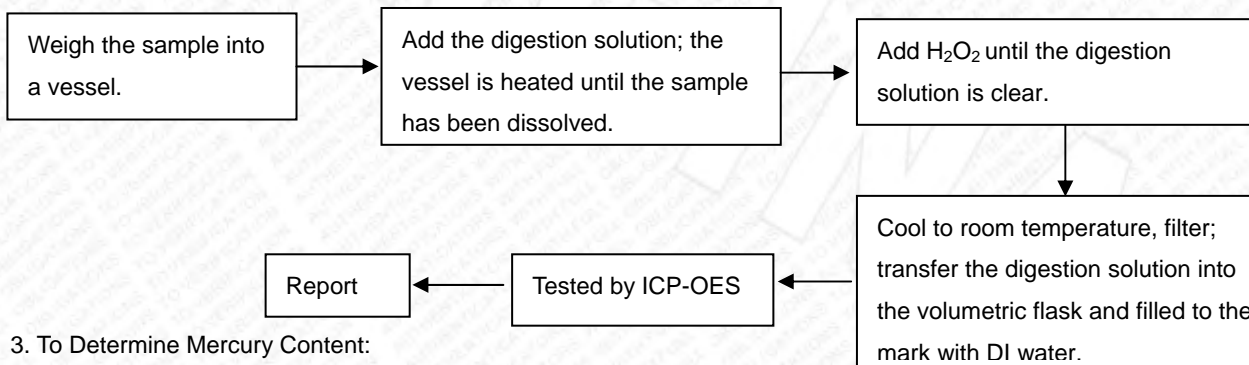
Page 2 of 6

Test Flow:

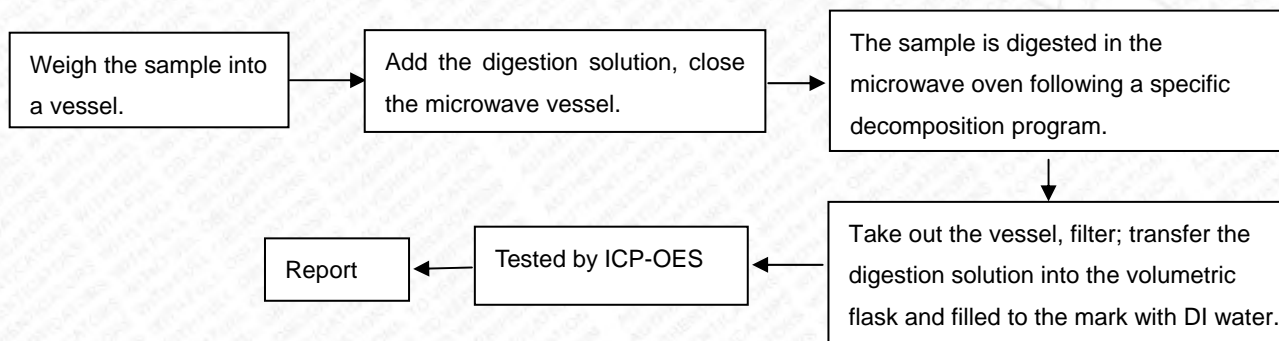
1. To Determine Lead, Cadmium Content (for Electronics):



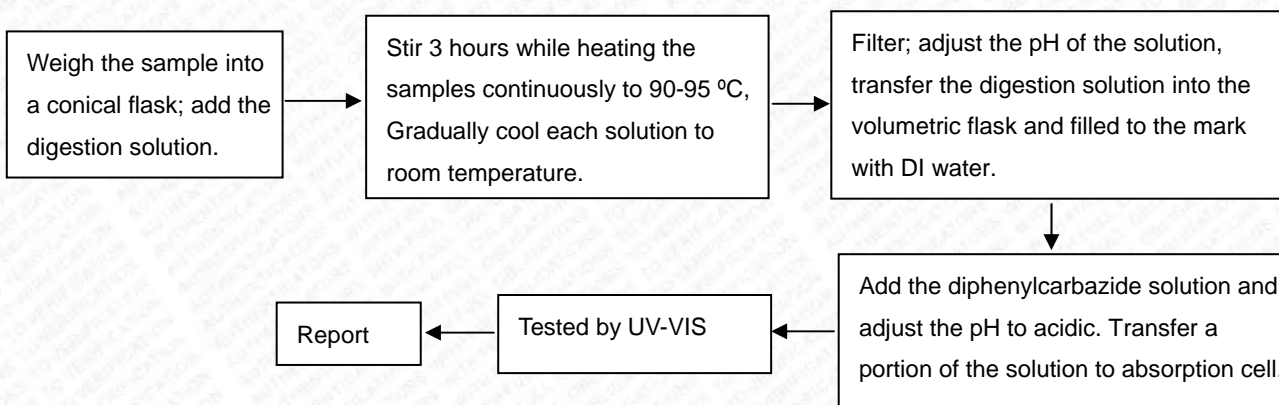
2. To Determine Lead, Cadmium Content (for metal):



3. To Determine Mercury Content:



4. To Determine Hexavalent Chromium Content (for Electronics):



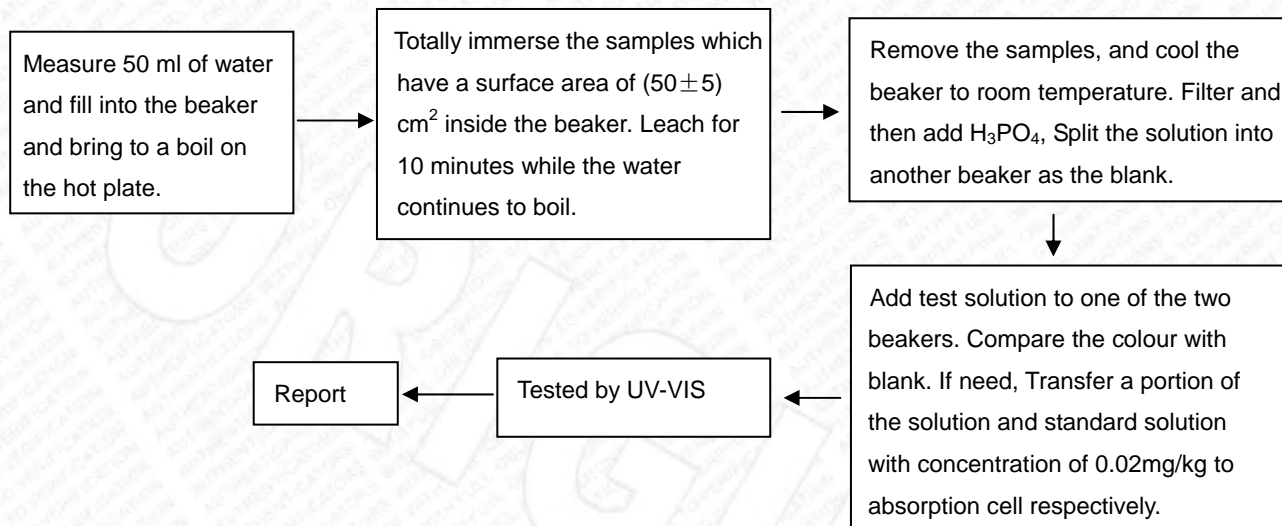
TEST REPORT

NO.: A001R202321051001-2

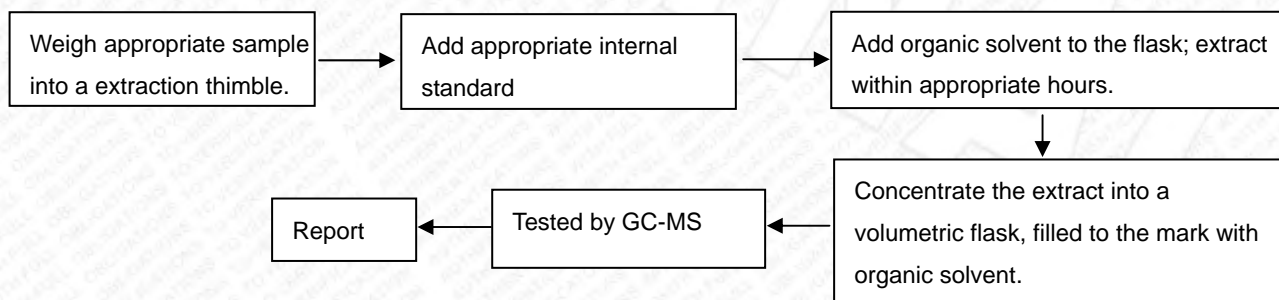
Date: Aug 24, 2023

Page 3 of 6

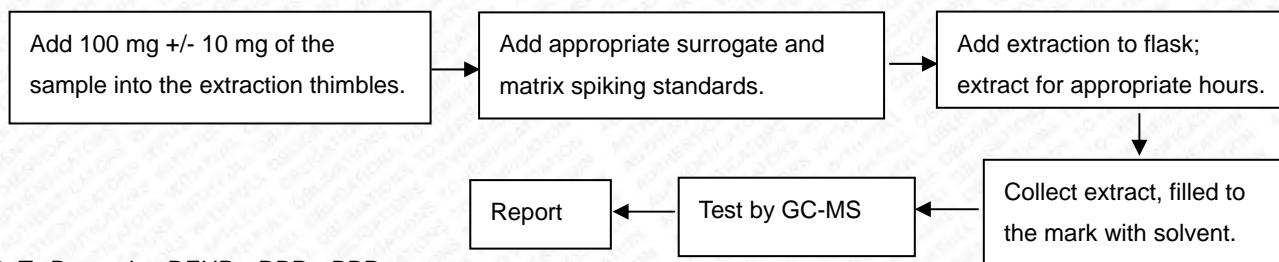
5. To Determine Hexavalent Chromium Content (for Metals/boiling water extraction):



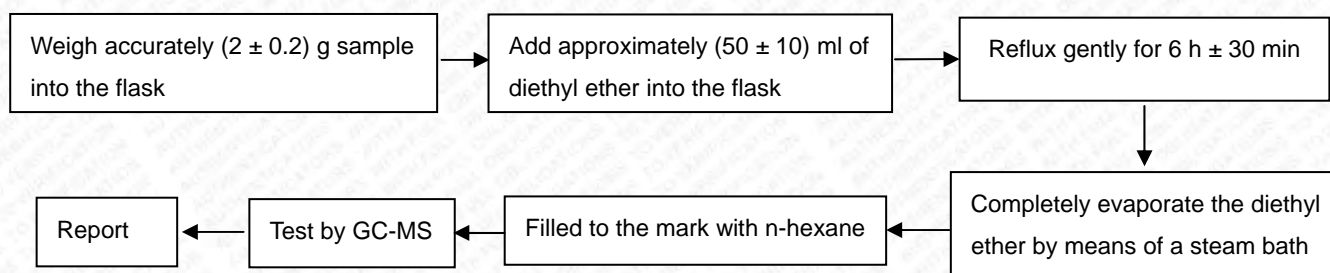
6. To Determine Polybrominated Biphenyls/Polybrominated Diphenyl Ethers Content:



7. To Determine HBCDD Content:



8. To Determine DEHP、DBP、BBP content:



TEST REPORT

NO.: A001R202321051001-2

Date: Aug 24, 2023

Page 4 of 6

Test Results:

(1)

Item	Unit	Result	
		A*	B*
Lead	mg/kg	N.D.	10
Cadmium	mg/kg	N.D.	N.D.
Mercury	mg/kg	N.D.	N.D.
Hexavalent Chromium	mg/kg	N.D.	/
Hexavalent Chromium by boiling water extraction	/	/	**Negative

Item	Unit	Result
		A*
PBBs	mg/kg	N.D.
MonoBB	mg/kg	N.D.
DiBB	mg/kg	N.D.
TriBB	mg/kg	N.D.
TetraBB	mg/kg	N.D.
PentaBB	mg/kg	N.D.
HexaBB	mg/kg	N.D.
HeptaBB	mg/kg	N.D.
OctaBB	mg/kg	N.D.
NonaBB	mg/kg	N.D.
DecaBB	mg/kg	N.D.
PBDEs	mg/kg	N.D.
MonoBDE	mg/kg	N.D.
DiBDE	mg/kg	N.D.
TriBDE	mg/kg	N.D.
TetraBDE	mg/kg	N.D.
PentaBDE	mg/kg	N.D.
HexaBDE	mg/kg	N.D.
HeptaBDE	mg/kg	N.D.
OctaBDE	mg/kg	N.D.
NonaBDE	mg/kg	N.D.
DecaBDE	mg/kg	N.D.

TEST REPORT

NO.: A001R202321051001-2

Date: Aug 24, 2023

Page 5 of 6

(2)

Item	CAS No.	Unit	Reference Threshold	Result
				A*
Hexabromocyclododecane(HBCDD)	/	mg/kg	1000	N.D.
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	1000	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	1000	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	1000	N.D.

Specimen Description:

A*: Nonmetal parts mixed

B*: Metal parts mixed

Note:

- mg/kg=ppm
- N.D.=not detected(<MDL)
- MDL=Method Detection Limit
- **Boiling water extraction:
Negative=Absence of Cr^{6+} ;
Positive=Presence of Cr^{6+} ; the detected concentration in boiling water extraction solution is equal or greater than 0.02mg/kg with 50cm² sample surface area.
- Storage conditions and production date of the tested sample are unavailable and thus results of Cr^{6+} represent status of the sample at the time of testing.
- *According to the applicant's request, Sample A, Sample B are mixed test respectively. The testing results of Sample A, Sample B may be different from that of any sole material in Sample A, Sample B.
- Reference Threshold: Reference REACH - SVHC report threshold, as the limit of substance has not been determined.
- Photo is included

TEST REPORT

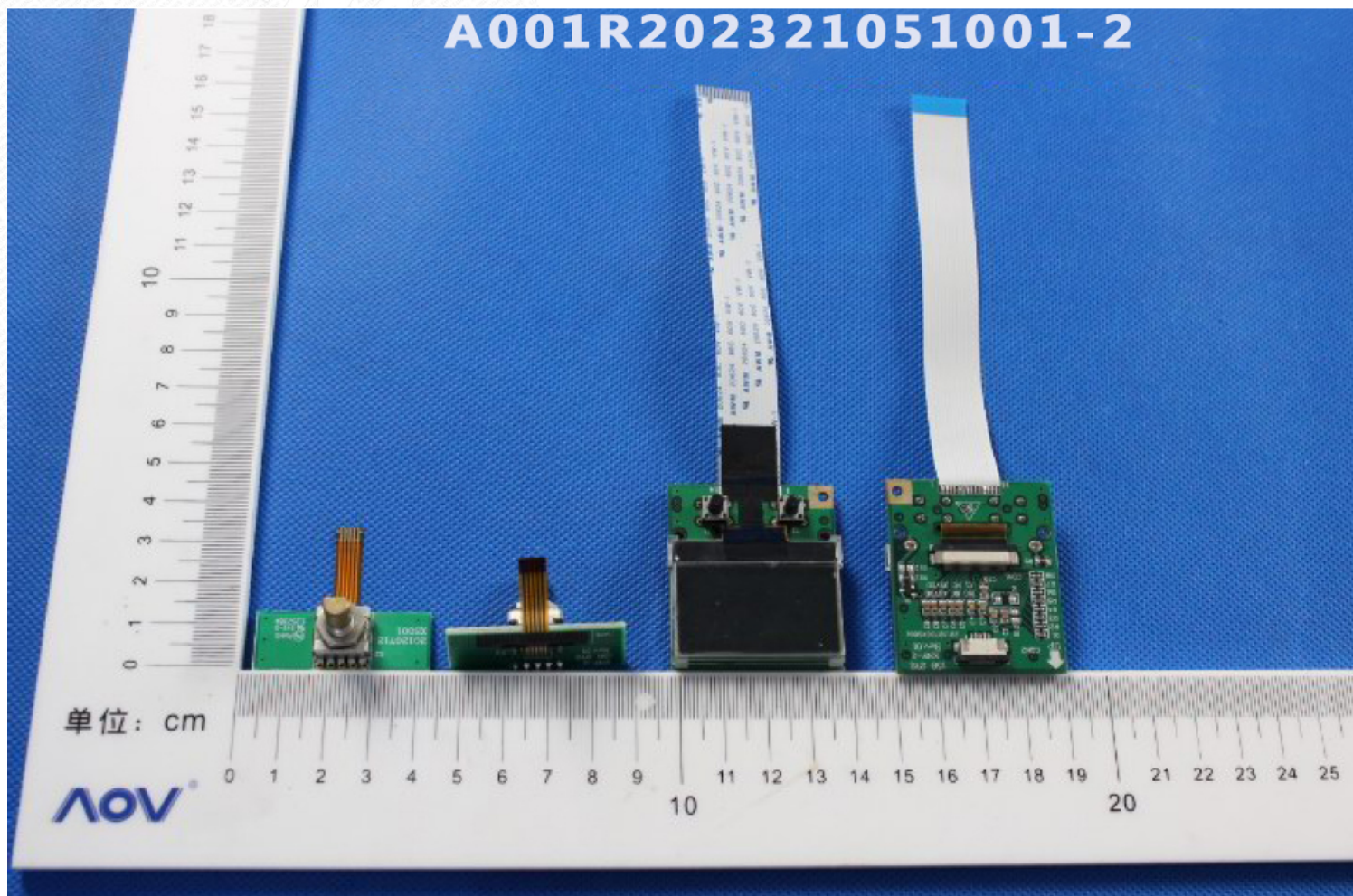
NO.: A001R202321051001-2

Date: Aug 24, 2023

Page 6 of 6

Photograph of Sample

A001R202321051001-2



Liquid-crystal display module

End of Report