Test Report

No.: SHAEC26006786413 **Date:** Mar 26, 2026

Client Name: SHANGHAI LEADEMC ELECTRONICS CO.,LTD.

Client Address: RM801, HONGYI BUILDING , NO.2158, WANYUAN ROAD, MINHANG DISTRICT, SHANGHAI.

Sample Name: Semiconductor Device

Model No.: SMC

Client Ref. Information: SMA,SMAF,SMB,SMBF,SMC,DO-15,DO-41,DO-201,P600 ,DO-214AA/AB/AC,DO-218AB/AC,SOD123,SOD123FL,SOD323,SOD523,SOT23,TO263,TO252,TO277.

The above sample(s) and information were provided by the client.

SGS Job No.: SHP26-008935

Sample Receiving Date: Mar 19, 2026

Testing Period: Mar 19, 2026 ~ Mar 26, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	See Results
Halogen	See Results

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

Susu Zhang
Approved Signatory

Scan to see the report

Test Result(s):

Test Part Description

SN ID	Sample No.	SGS Sample ID	Description
SN1	A4	SHA26-0067864-0001.C004	Black body with silvery metal pin (Mix all*)

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)

Test Item(s)	Limit	Unit(s)	MDL	A4
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	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) g @@3.7561 to the declaration from the client, Lead (Pb) is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(c)-V|: Lead in Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils any of the following functions:
(1) for protection and electrical insulation in glass beads of high-voltage diodes and glass layers for wafers;
(2) for hermetic sealing between ceramic, metal and/or glass parts;
(3) for bonding purposes in a process parameter window for < T&&l# combined with a viscosity of 1 013,3 dPas ('glass-transition temperature');
(4) for use as a resistive material such as ink, with a resistivity range from 1 ohm/square to 100 megohm/square, excluding trimmer potentiometers;
(5) for use in chemically modified glass surfaces for microchannel plates (MCPs), channel electron multipliers (CEMs) and resistive glass products (RGPs).
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
g @@3.7561 to the declaration from the client, Lead (Pb) 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

Halogen

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	ND
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

mix all*: 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.

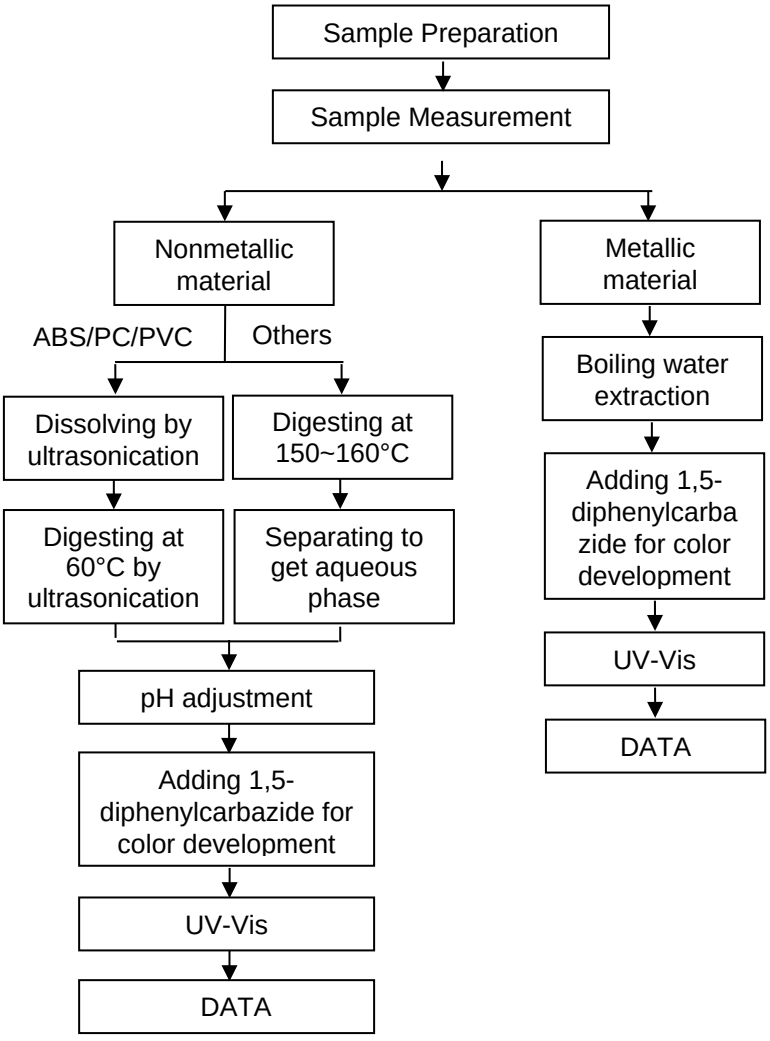
ATTACHMENTS

Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.

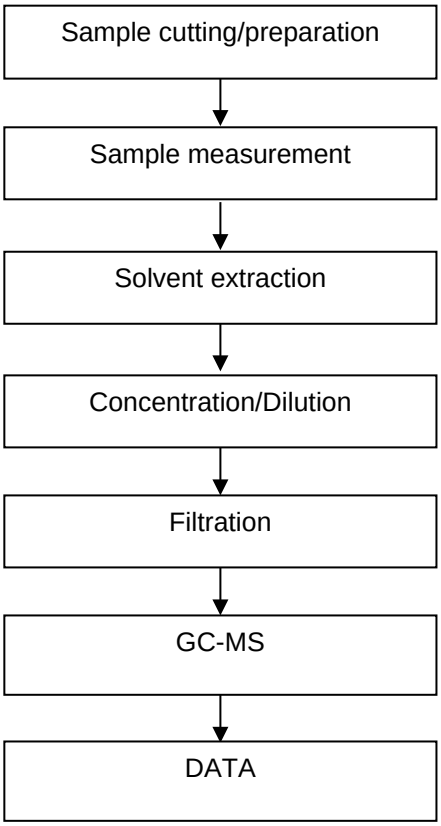
ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart



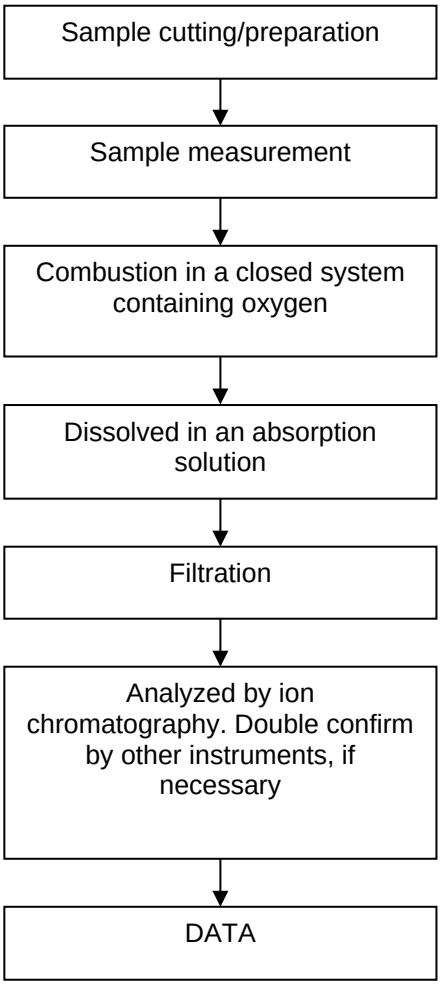
ATTACHMENTS

PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



ATTACHMENTS

Halogen Testing Flow Chart



Test Report

No.: SHAEC26006786413 **Date:** Mar 26, 2026