

Test Report

No.: CANEC26001247101

Date: Jan 21, 2026

Page 1 of 7

Client Name: JIANGSU GOOD WORK MICROELECTRONIC TECHNOLOGY CO., LTD.

Client Address: BUILDING 1, NO. 3 YANCHENG ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ROAD, YANCHENG CITY, JIANGSU PROVINCE

Sample Name: Semiconductor Component

Model No.: 1N4007WS

Client Ref. Information: SMA SMAF SMB SMBF SMC SOD123 SOD123FL SOD323 SOD523 SOD SOD723 SOD923 SOT-23 SOT23-3L SOT23-5 SOT23-6 SOT323 SOT363 SOT523 SOT723 SOT89 SOT143 SOT223 DFN0603 DFN1006 DFN1610 DFN2020 DFN2510 DFN3*3 DFN5*6 PDFN3*3 PDFN5*6 TO-277 TO-252 TO-263 TO252-4L TO-220 TO-220AB TO-220AC ITO-220AB ITO-220AC TO-247 TO-3P A-405 DO-15 DO-27 DO-35 DO-41 R-1 R-3 R-6 LL34 MBF MBM MBS MDS LBS ABS TBS DBF ABF UMB UMSB KMBF ULBF HBS DBS D3K DB-1 KBP KBL GBL GBJ KBJ KBU GBU WOL GBP KBPC3-8A KBPC10-50A GBPC GBPC-W KBPC-W S25-VB BR-35 SKBPC SOP-8 SMD-4 DIP-4 SOP-4 DO-213AA DO-213AB DO-218AB GF5045 TO-92 TO-126 TO-251 eSOP-8 SOP-16 eTSSOP-20 MSOP-8 TSSOP-14 QFN-16 MSOP-10 TSSOP-20 TSSOP-28 TSSOP-16 TSSOP-24 QFN-32 QFN-40

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

SGS Job No.: SZP26-002163

Sample Receiving Date: Jan 14, 2026

Testing Period: Jan 14, 2026 ~ Jan 20, 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).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Zm Guan
Approved Signatory

Scan to see the report



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Guangzhou Branch

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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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Test Report

No.: CANEC26001247101

Date: Jan 21, 2026

Page 2 of 7

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)	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN26-0012471-0001.C001	"Semiconductor Component"

Remarks:

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

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)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	72285▲
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND



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Test Report

No.: CANEC26001247101

Date: Jan 21, 2026

Page 3 of 7

Test Item(s)	Limit	Unit(s)	MDL	A1
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND
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.

Remark: ▲ According 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>

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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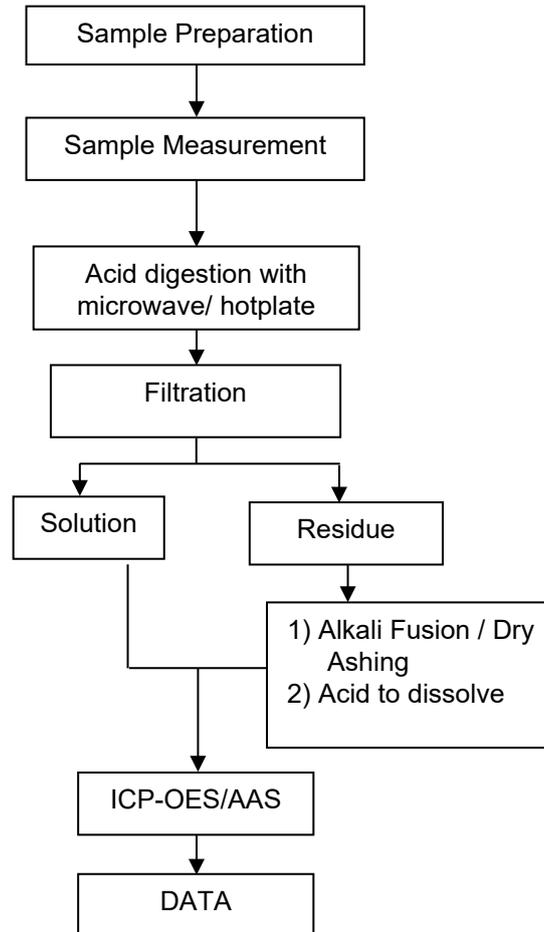
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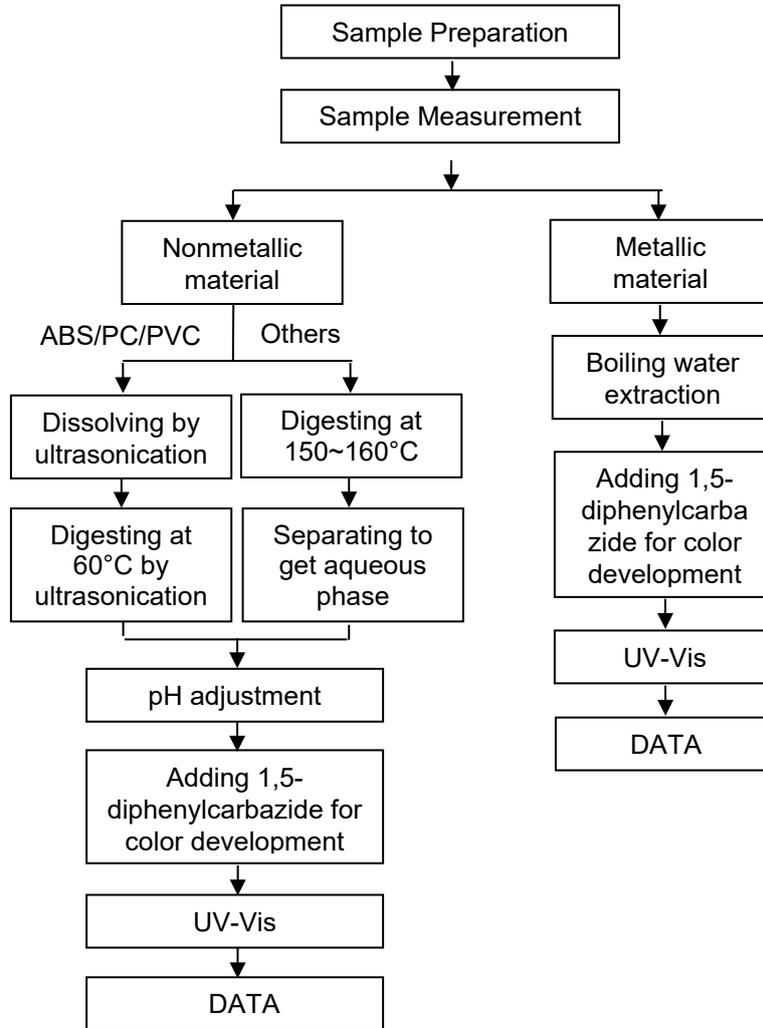
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Elements Testing Flow Chart

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

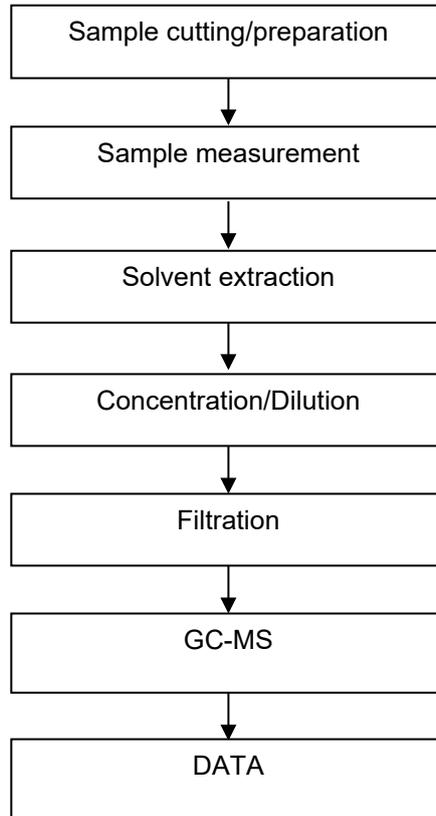


Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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



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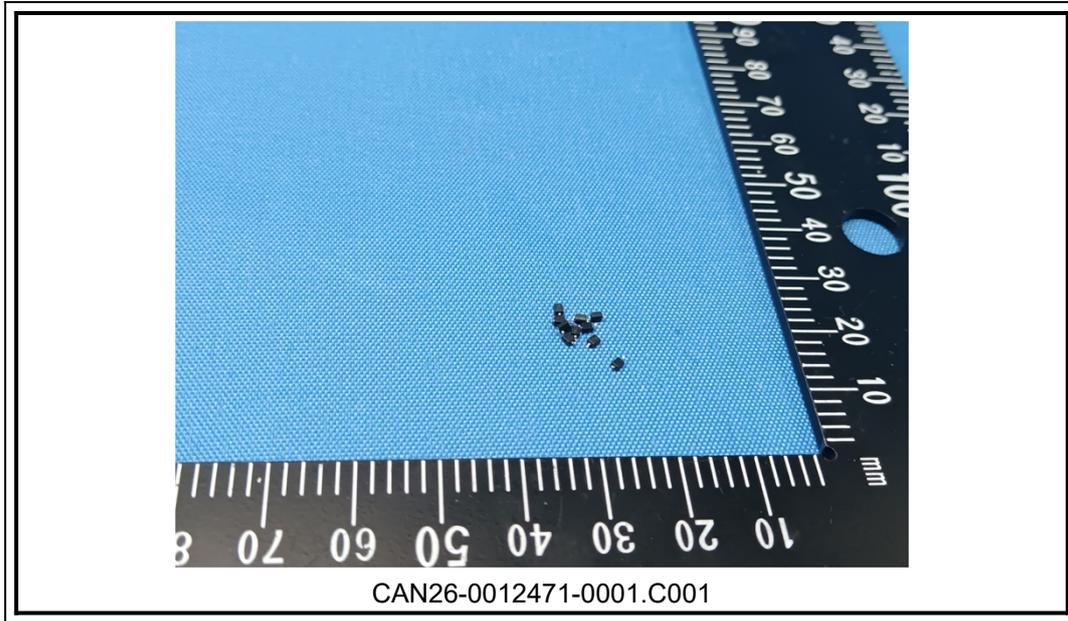
Test Report

No.: CANEC26001247101

Date: Jan 21, 2026

Page 7 of 7

Sample Photo:



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*** End of Report ***



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