

## Test Report

No.: CANEC24003851504

Date: Mar 19, 2024

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Client Name: SHENZHEN ANBON SEMICONDUCTOR CO., LTD

Client Address: FACTORY BUILDING 1, JINLIXIANG INDUSTRIAL ZONE, FUKANG COMMUNITY, LONGHUA STREET, LONGHUA DISTRICT, SHENZHEN

Sample Name: Plastic Molded Products

Client Ref. Information: Please see attachments

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

SGS Job No.: SZP24-007989

Sample Receiving Date: Mar 06, 2024

Testing Period: Mar 06, 2024 ~ Mar 12, 2024

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)	Pass

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

Allie Chen

Allie Chen  
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Services Co., Ltd. Laboratory

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**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	CAN24-0038515-0001.C002	"Plastic Molded Products"

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, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	18693 <sup>▲</sup>
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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Test Item(s)	Limit	Unit(s)	MDL	A2
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	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) in specimen 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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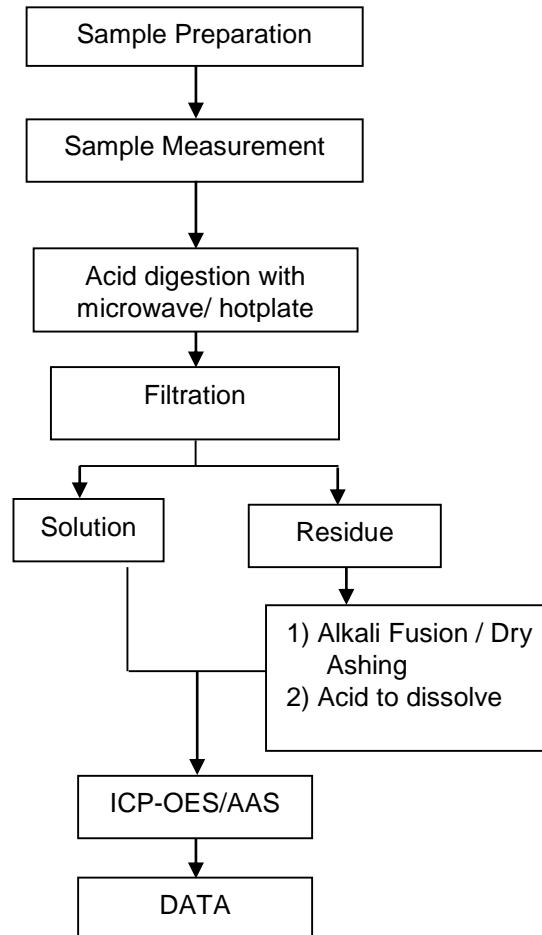
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### Elements Testing Flow Chart

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



**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



### PBB/PBDE Testing Flow Chart



### Phthalates Testing Flow Chart



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Attachment:

R-1 / A-405 / DO-41/ DO-15 / R-3 / DO-201AD / DO-201AE / DO-206 / DO-210 / R-6 / R-7 / P600 / DO-218AB / LMDS (ABS) / LMBS / MDB / MDS (TO-269AA) / DF /DFS / DB / DBS / DBF / DBH / DBU / MDLS(MBF) / KBP / D3K / KBL / KBU / GBP / GBL / KBJ / GBJ / GBU / WOB / WOM / RB-15 / TO-220AB / TO-220AC (TO-220-2) / ITO-220AB / ITO-220AC (TO-220-2F) / TO-263AB (D2-Pak) / T2PAK / TO-263-7L / TO-3P(TO-247) / TO-247-2 / TO-247-3 / TO-247-4 / TO-251AB / TO-252AB (D-Pak) (TO-252-2) / TO-252AC / TO-252-4L / TO-277B / TO-92 /TO-92L / TO-126 / SOD-323 / SOD-323S / SOD-123(Mini-SMA) / SOD-123T / SOD-123ST /SOD-123H1 / SOD-123S / SOD-123HT / SOD-123HT-D / Mini-Melf (DO-213AA) / SMA-NT / SOD-123NT / SMA(DO-214AC) / SMA-S / SMA-L / SMA-W / SMA-HST / SMAF / Melf(DO-213AB) / SMB(DO-214AA) / SMB-S / SMBF / SMC(DO-214AB) / SMC-T3 / SMC-F / ASM-10A / ASM / SOD-923FL / SOD-723FL / SOD-523FL / SOD-323FL / SOD-323F / SOD-123FL / SOD-123F / SOT-143 / SOT-23-6 (SOT-26) /SOT-23-5 (SOT-25) / SOT-223 / SOT-223-2 / SOT-23 / SOT-23-3L / SOT-23-6L / SOT-89 / SOT-883 / TSSOP-8 / SOP-8 (SOP8) / TOLL / 0201 (DFN0603) / 0402 (DFN-2L) / 0603 / 0805 / 1005 / DFN8\*8 / DFN5\*6-8L (DFN5060) / DFN3.3\*3.3-8L (DFN3333) / PDFN1006-3L / PDFN2X2-6L / PDFN3\*3-8 / PDFN3\*3-8L / PDFN3.3\*3.3-8L / PDFN5\*6-8L / DFN3\*3 (DFN3030) / DFN3\*3NEP (DFN3030NEP) / DFN3\*2 (DFN3020) / DFN3\*2NEP (DFN3020NEP) / DFN2\*5 (DFN2050) / DFN2\*3 (DFN2030) / DFN2\*2-6L (DFN2020-6L) / DFN2\*2-3L (DFN2020-3) / DFN2\*2 (DFN2020) / DFN1.6\*1.6 (DFN1616) / DFN1.2\*1.2 (DFN1212) / DFN1\*1-6 (DFN1010-6) / DFN1\*1-3 (DFN1010-3) / FN2510P10 / DFN1610 / DFN2510 / DFN1006-3L (DFN1006) (DFN1.0\*0.6) / KBPC-3 / KBPC-6 / KBPC-8 / RS / MP / KBPC-PT (PW/PS) / KBPC-MT (MW) / GBPC-T (W) / MT-35 / MFN-5T / MFN-9T / MFN-3T1 / MFN-5T1 / MFN-1 / MFN-3 / MFN-4 / RSM25 / HPMS- 1 / Pressfit 12.8mm / Pressfit 10.1mm / Pressfit / EasyPIM1B / EasyPIM2B / EconoPIM2 / 34MM / 62 MM



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Sample Photo:



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\*\*\* End of Report \*\*\*



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