

Test Report

No.: SXZEC24003176201

Date: Oct 16, 2024

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Client Name: TECHPUBLIC ELECTRONICS CO.,LTD

Client Address: 203, BUILDING 3, PHASE 1, ZHUOYUE CITY, NO. 128 ZHONGKANG ROAD, FUTIAN DISTRICT, SHENZHEN

Sample Name: SOT23

Model No.: SOT23

Client Ref. Information: SOD723 SOD923 SOD323 SOD523 SOD123 SOD123FL SOT23 SOT23-3L SOT89-3 SOT89-5 SOT23-6 SOT23-5 SOT223 SOT323 SOT883 SOT23-8 SOT143 SOT353 SOT363 SOT343 SOT523 SOT723 SOT553 SOT666 SOT543 SOT563 SOP8 MSOP8 VSSOP8 TSSOP8 TSSOP14 SOP14 TO252 TO252-4 TO263 TO263-5L 01005 0201 DFN1006-2 CPS0201 DFN0.6X0.3 DFN1.0X0.6 DFN1.6X1.0 DFN1.5X1.0 DFN1.2X1.0 DFN1X1 DFN2020-6 DFN5X6-8L PDFN5X6-8L PDFN3X3-8L DFN3X3-8 DFN2X1 DFN2X1.8 DFN2.7X1.0 DFN2.5X1.0 DFN5.5X1.0 DFN2X2 DFN1006-3 DFN2.5X3.6 DFN2.6X2.6 DF2X3 DFN3X3 QFN4X4 QFN4.5X6 QFN5X5 QFN6X6 QFN7X7 QFN8X8 QFN9X9 DFN2X4 DFN4.1X2.0 DFN2.43X3.4 DFN0.9X0.9 DFN0.8X0.8 CSP0.8X0.8 CSP0.6X0.6 SMA SMB SMC SMD SMAFL SMABFL SMCF SMDFL QFN1.8X1.4 QFN2X2 DFN3810-9

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

SGS Job No.: SZP24-043856

Sample Receiving Date: Oct 11, 2024

Testing Period: Oct 11, 2024 ~ Oct 16, 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. Shenzhen Branch



Tina Fan
Approved Signatory

scan to see the report



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Shenzhen Branch Testing Center Chemical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SXZ24-0031762-0001.C001	"SOT23"

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	ND
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
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

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Test Item(s)	Limit	Unit(s)	MDL	A1
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	1000	mg/kg	50	ND
Benzyl Butyl 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.

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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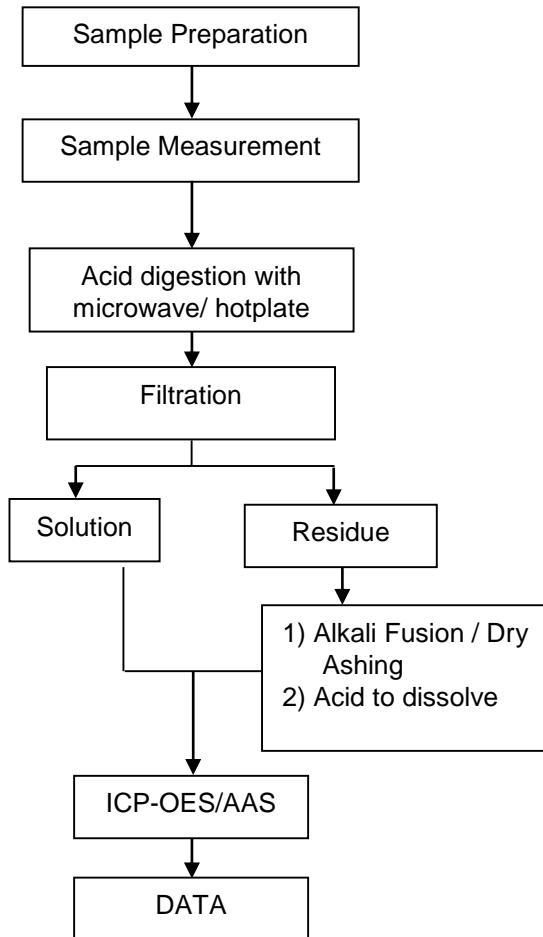
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Elements Testing Flow Chart

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



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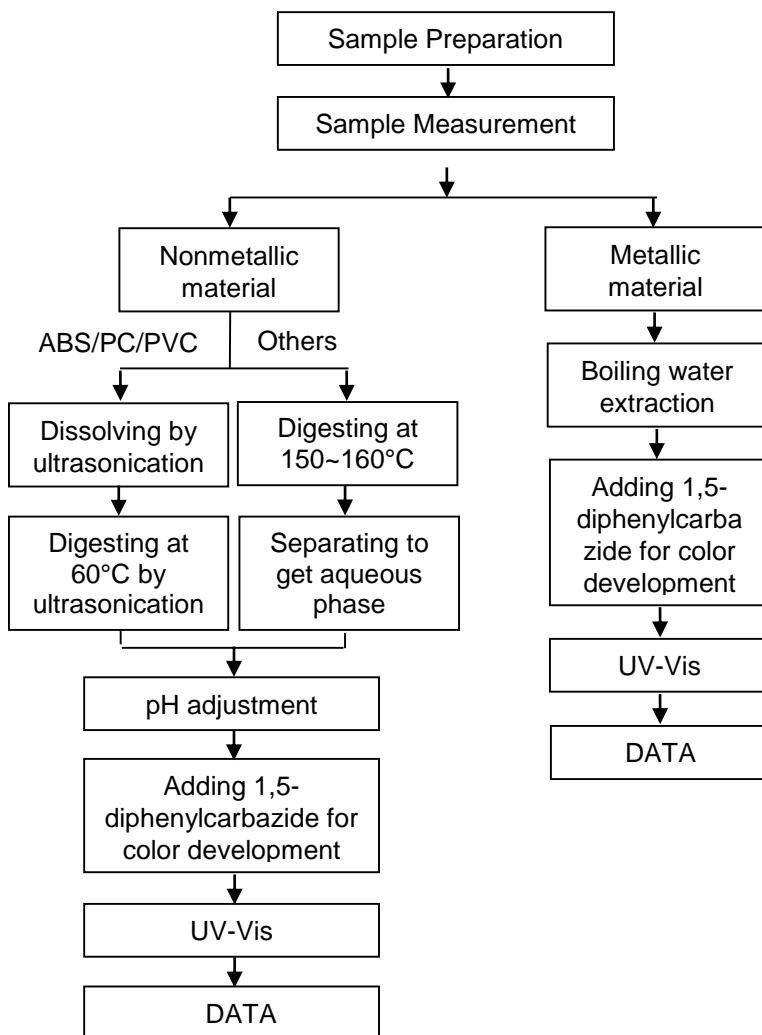
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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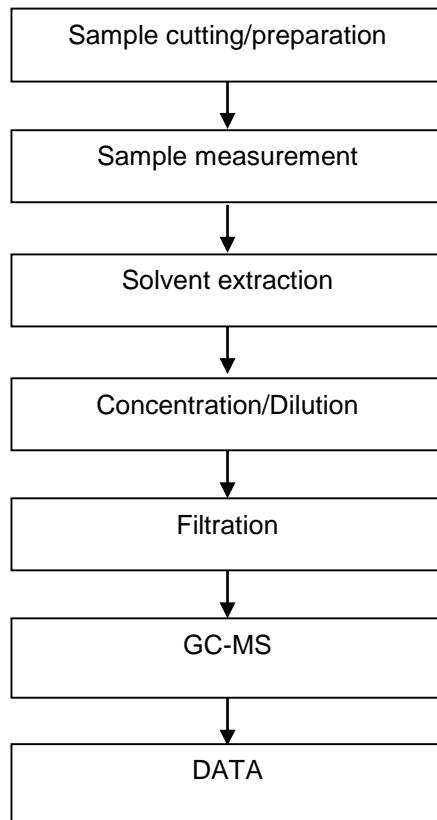
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PBB/PBDE/Phthalates Testing Flow Chart



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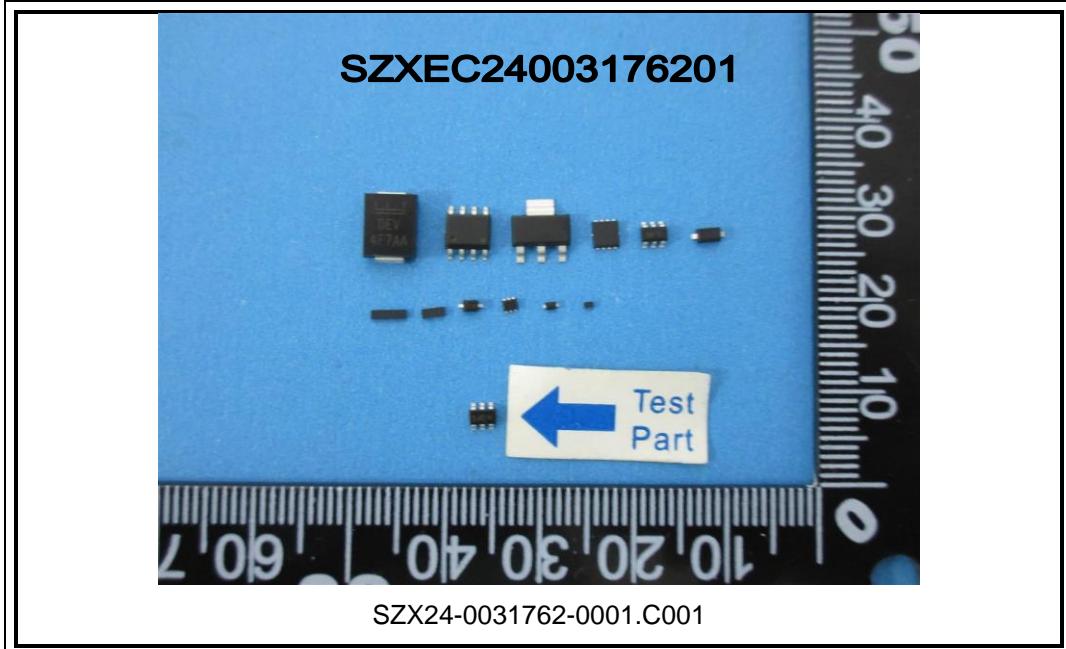
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Sample Photo:



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