

Test Report

No.: SZXEC23000182803

Date: Mar 10, 2023

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Client Name: SHENZHEN YONGYUAN MICROELECTRONICS TECHNOLOGY CO.,LTD
Client Address: 303,BUILDING B3,QIAOTOU FUQIAO FOURTH INDUSTRIAL ZONE,FUYONG STREET,BAO 'AN DISTRICT,SHENZHEN

Sample Name: Semiconductor Component
Model No.: TO252-3L
Client Ref. Information: QFN2*2-6L,QFN2*3-6L,PDFN3*3-8L,PDF5*6-8L,SOP-8L,ESOP-8L,TSSOP-8L,SOT23L,SOT23-3L,SOT23-5L,SOT23-6L,SOT523-3L,SOT89-3L,SOT223-3L,SOT363-6L,TO252-4L,TO251S-3L,TO251L-3L,TO220-3L,TO220F-3L,TO263-3L,TOL263-6L,TO247-3L,TO247-3L PLUS,TO-92-3L,DFN8*8-6L,TOLLA-8L,WQFN3*3-8L

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

SGS Job No.: RP23-004079
Sample Receiving Date: Mar 02, 2023
Testing Period: Mar 02, 2023 - Mar 07, 2023
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. Shenzhen Branch

Mescal

Mescal Ye
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	SZX23-0001828-0001.C001	"Semiconductor Component"(mixed)

Remarks:

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

Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP), Bis(2-ethylhexyl) phthalate (DEHP), 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, UV-Vis and GC-MS.

Test Item(s)	Unit(s)	MDL	A1
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	15877
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	mg/kg	8	ND
Polybromobiphenyl (PBBs)	mg/kg	-	ND
Monobromobiphenyl (MonoBB)	mg/kg	5	ND
Dibromobiphenyl (DiBB)	mg/kg	5	ND
Tribromobiphenyl (TriBB)	mg/kg	5	ND
Tetrabromobiphenyl (TetraBB)	mg/kg	5	ND
Pentabromobiphenyl (PentaBB)	mg/kg	5	ND
Hexabromobiphenyl (HexaBB)	mg/kg	5	ND
Heptabromobiphenyl (HeptaBB)	mg/kg	5	ND
Octabromobiphenyl (OctaBB)	mg/kg	5	ND
Nonabromobiphenyl (NonaBB)	mg/kg	5	ND
Decabromobiphenyl (DecaBB)	mg/kg	5	ND
Polybromodiphenyl ether (PBDEs)	mg/kg	-	ND
Monobromodiphenylether (MonoBDE)	mg/kg	5	ND
Dibromodiphenylether (DiBDE)	mg/kg	5	ND
Tribromodiphenylether (TriBDE)	mg/kg	5	ND
Tetrabromodiphenylether (TetraBDE)	mg/kg	5	ND
Pentabromodiphenylether (PentaBDE)	mg/kg	5	ND
Hexabromodiphenylether (HexaBDE)	mg/kg	5	ND
Heptabromodiphenylether (HeptaBDE)	mg/kg	5	ND
Octabromodiphenylether (OctaBDE)	mg/kg	5	ND
Nonabromodiphenylether (NonaBDE)	mg/kg	5	ND
Decabromodiphenylether (DecaBDE)	mg/kg	5	ND
Dibutyl Phthalate (DBP)	mg/kg	50	ND
Benzy Butyl Phthalate (BBP)	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	50	ND



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Test Item(s)	Unit(s)	MDL	A1
Diisobutyl Phthalate(DIBP)	mg/kg	50	ND

Remark: 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.



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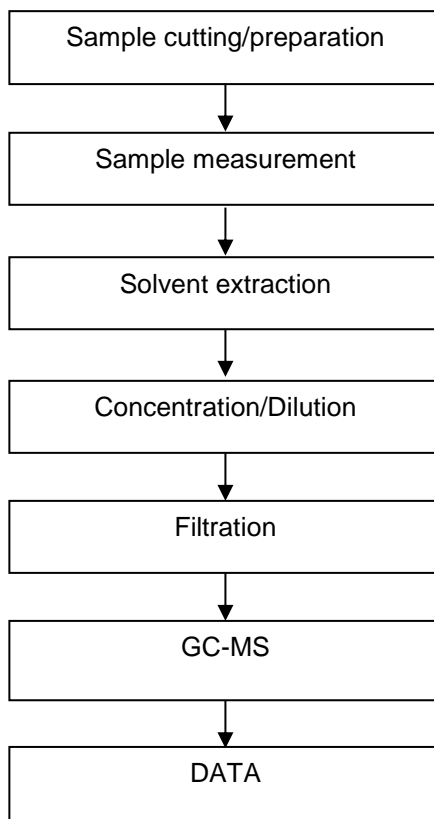
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Phthalates Testing Flow Chart



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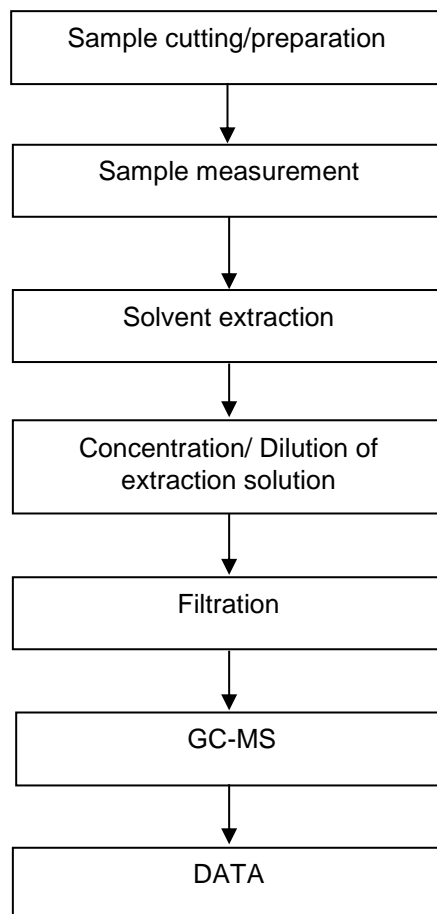
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PBBs/PBDEs Testing Flow Chart



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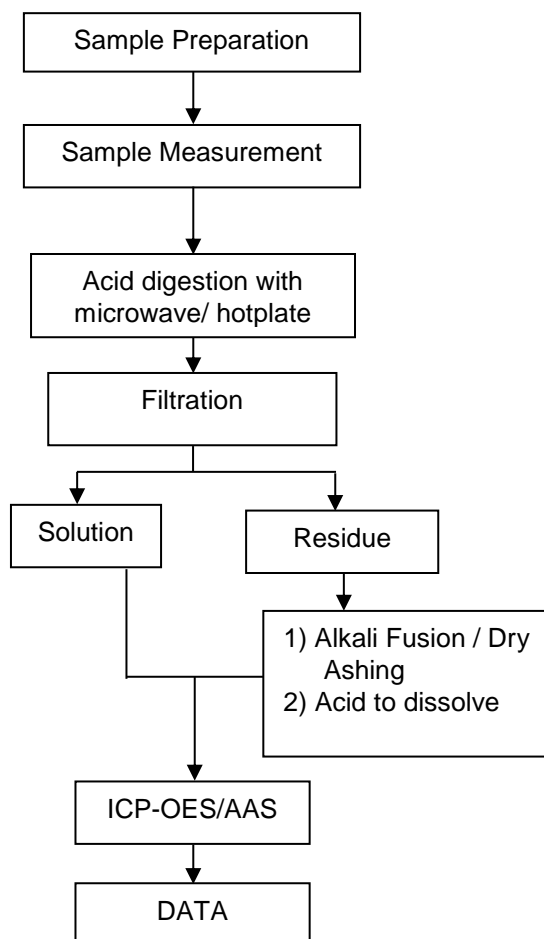
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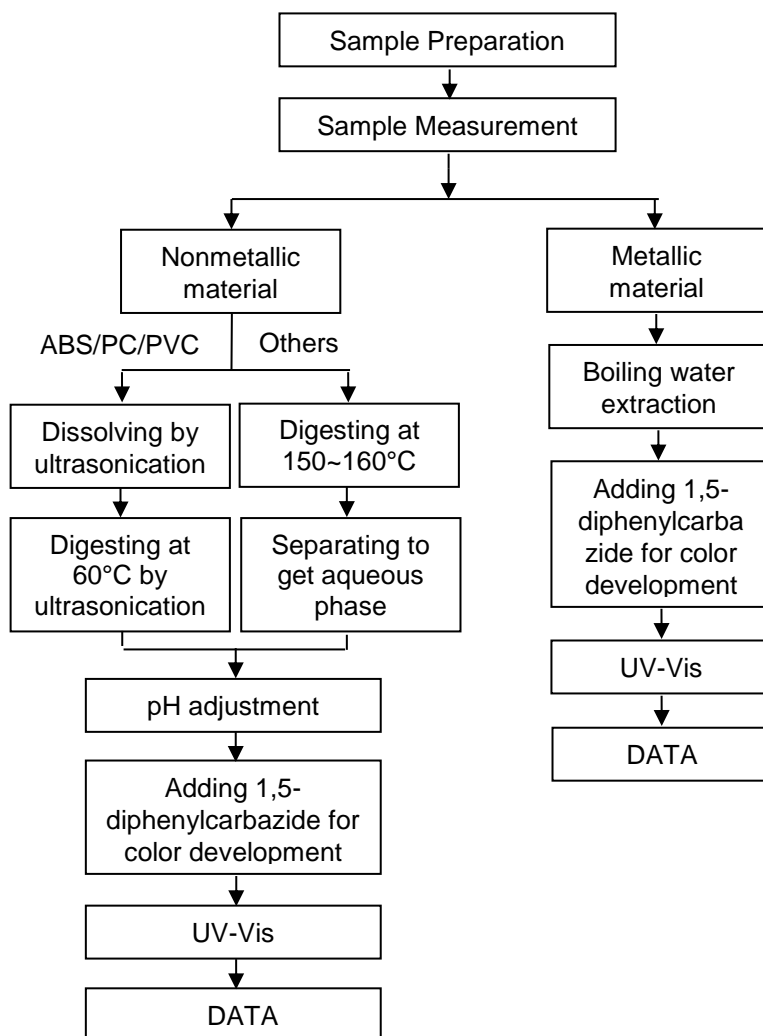
Elements (IEC62321) Testing Flow Chart

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



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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



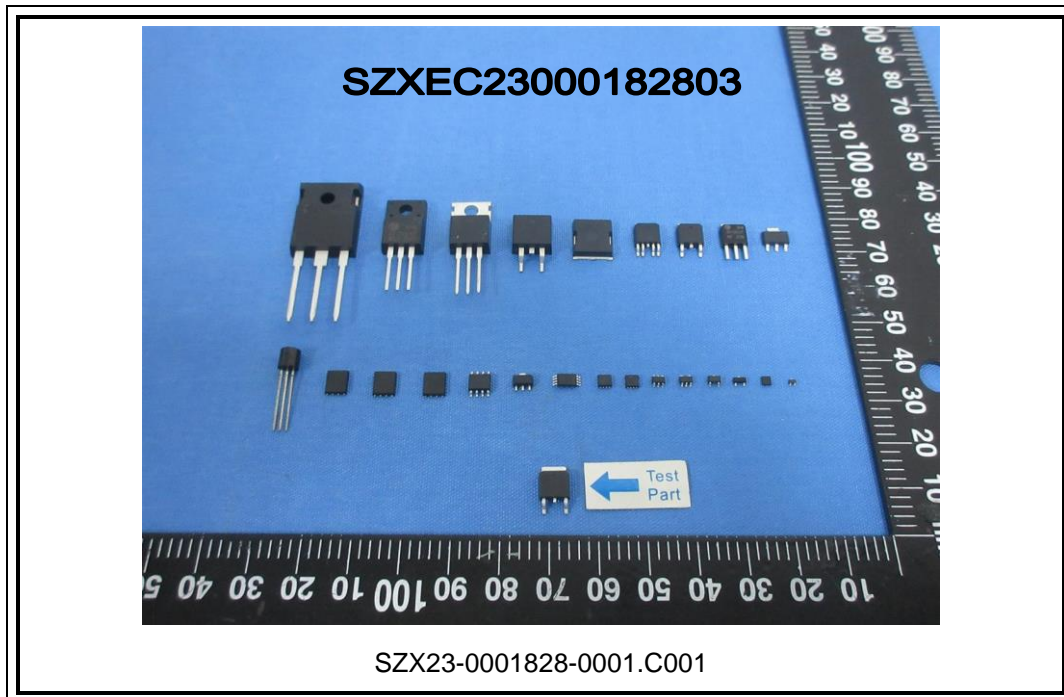
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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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