

Test Report

No.: SZXEC25000839507

Date: Mar 24, 2025

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Client Name: GUANGDONG NIUHANG ELECTRONIC TECHNOLOGY CO., LTD

Client Address: 3RD FLOOR, BUILDING 1, NO.3 DAYUAN ROAD, ZHANGCUN, DONGCHENG STREET,
DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: SemiconductorComponents

Model No.: SOD-323

Client Ref. Information: Please see attachment

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

SGS Job No.: SZP25-012274

Sample Receiving Date: Mar 18, 2025

Testing Period: Mar 18, 2025 ~ Mar 24, 2025

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 |
|--|------------|
| Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h) | Pass |

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

Andy

Andy Ni
Approved Signatory

Scan to see the report



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Test Result(s):

Test Part Description:

| SN ID | Sample No. | SGS Sample ID | Description |
|-------|------------|-------------------------|---------------------------|
| SN1 | A1 | SZX25-0008395-0001.C001 | "SemiconductorComponents" |

Remarks:

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

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1 |
|---|------------|------------|---------|-----|-------------|
| Decabromodiphenyl ether (DecaBDE) | 1163-19-5 | 1000 | mg/kg | 5 | ND |
| Phenol, isopropylated phosphate (3:1) (PIP 3:1) | 68937-41-7 | 1000 | mg/kg | 5 | ND |
| 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) | 732-26-3 | 3000 | mg/kg | 5 | ND |
| Hexachlorobutadiene (HCBd) | 87-68-3 | Prohibited | mg/kg | 5 | ND |
| Pentachlorothiophenol (PCTP) | 133-49-3 | 10000 | mg/kg | 5 | ND |
| Conclusion | | | | | Pass |

Notes:

(1) The regulation is available at the following link.

<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>.

(2) The rule for Decabromodiphenyl ether (DecaBDE) and Phenol, isopropylated phosphate (3:1) (PIP 3:1) is effective on January 21, 2025.

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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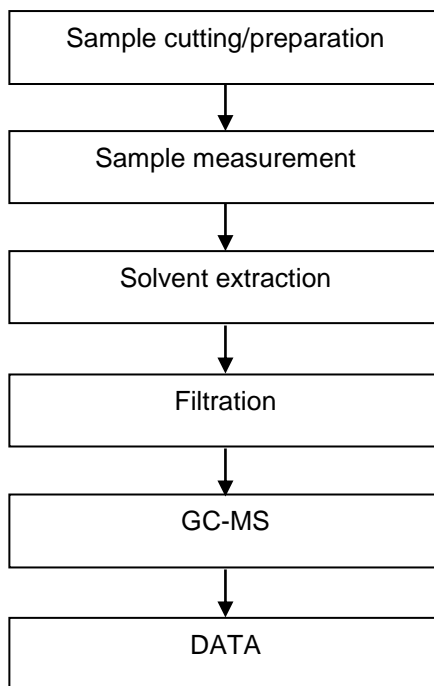
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ATTACHMENTS

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart



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Attachment:
DIODE:

R-1, R-6, R-Series, A-405, DO-41, DO-15, DO-27(DO-201AD), DO-35, DO-201AC(SMA), DO-201AA(SMB), DO-201AB(SMC), DO-213AA, DO-213AB(LL-41), DO-218AB, DO-Series, TO-251, TO-251S, TO-252, PTO-252, TO-262, TO-263, TO-220AB, TO-220AC, TO-220C, TO-220C-2L, ITO-220AB, ITO-220AC, TO-220F, TO-220F-2L, TO-3P, TO-247, TO-247S, TO-277, TO-277A, TO-277B, TO-247, TO-247S, TO-3P, TO-3PS, TO-3PF, TO-264-3L, TO-264PLUS-3L, TO-Series TOLL, TOLT1, TOLT2, SOD-923, SOD-723, SOD-523, SOD-323, SOD-123, SOD-123FL, SOD-123HE, SOD-323HE, SOD-80(LL-34), SOD882, SOD Series SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL, SMP, SM Series 0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223, SOT Series SC-88, SC-89, SC-70, SC Series, DFN0603, DFN1608, DFN1610, DFN2020, DFN2018, DFN Series, PDFN3*3, PDFN5*6, PDFN8*8, PDFN Series, AK3 Series

BRIDGE RECTIFIER:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, LDB-S, DB-1, DB-S, RS, RB, KBL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, KBJ, KBJL, BR, WOL, WOM, WOG, D3K, HV, GH, BCT, PSD, LD, SBL, BU, IBS, WOB, WOBM

DIODE MODULE、RECTIFIER MODULE、BRIDGE RECTIFIER MODULE:

MDC Series, QL Series, SQL Series, MDS Series, MDA Series, MDK Series, MDQ Series, XQ Series, KPBC Series

PHOTOVOLTAIC MODULE:

09E, QC3Q, Z8X, TS306X, JA005, 09ES

MOSFET、IGBT、SIC、GAN、SCR、TRIAC、TRANSISTOR:

DIP25, DIP24, DIP24F, DIP Series module, TO-92, TO-251, TO-251S, TO-252, TO-252-4L, PTO-252, TO-126, TO-220A, TO-220B, TO-220AB, TO-220C, ITO-220AB, TO-220F, TO-220FJ, TO-263, TO-263-5L, TO-263-6L, TO-263-7L, TO-262, TO-3P, TO-3PF, TO-247, TO-247S, TO-247L, TO-247H, TO-247-4L, TO-247Plus-3L, TO-247Plus-4L, TO-264-3L, TO-264PLUS-3L, TO Series, TOLL, TOLT1, TOLT2, SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143, SOT Series, SOP-89, SOP-8, SOP Series, DFN3*3, DFN5*6, DFN8*8, DFN2020, DFN3030, DFN Series, PDFN3*3, PDFN3*3-D, PDFN5*6, PDFN5*6-D, LFPK5*6, PDFN8*8, PDFN Series QFN3*3, QFN Series

IC:

SOT-23-5/6, SOP-8/14/16/18/20/24/28/30/36/48, SOT Series, SSOP-8/14/16/18/20/24/28/36/48, SSOP Series, MSOP-10/14, MSOP Series, TSSOP-14/20/28, TSSOP Series, DIP-8/14/16/20/24/28/36/48, DIP Series, QFN16/20/24/28/32/40/48/64, QFN Series



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DFN6/8/10/20, DFN Series, LQPF32/44/48/52/64/100, LQPF Series

SOP-8L, SOP Series, SOP Series+

Low Dropout Regulator(LDO)、Three-terminal precision voltage regulator、Voltage Regulator:

SOT-23, SOT-89, SOT-223, SOT Series, TO-252, TO-220, TO-263, TO-263-5L, TO Series



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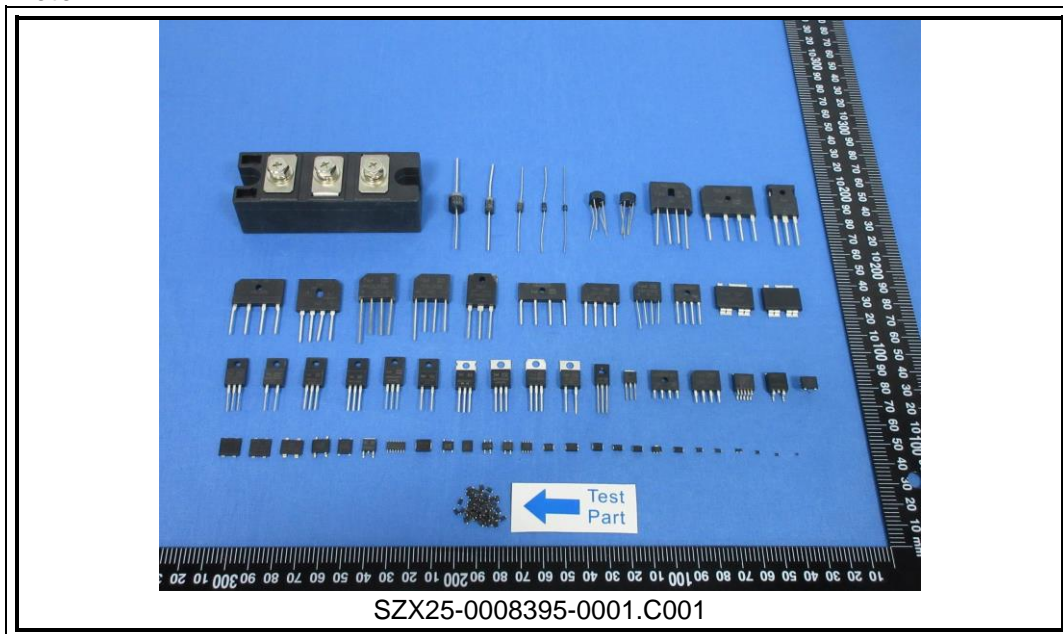
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Sample Photo:



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