

Test Report

No.: SHAEC23014942701

Date: Sep 21, 2023

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Client Name: microdiode semiconductor (shenzhen) co.,Ltd

Client Address: 13th Floor, Tower B, HOROY North Station Business Center, Longhua, Shenzhen, Guangdong, China

Sample Name: SEMICONDUCTOR

Model No.: SMAJ5.0CA

Client Ref. Information: DO-214AC/SMA, DO-214AA/SMB, DO-214AB/SMC, SMAF, SMBF, SMCF, SOD-123, SOD-123FL, SOD-123SL, SOD-323, SOD-323FL, SOD-523, SOD-723, SOD-923, SOD-882, DFN1006, DFN1006-3L, DFN1610-6L, DFN2510-10L, DFN0603, QFN, SOT-23, SOT23-5, SOT23-6, SOT-143, SOT-223, SOT-323, SOT-523, SOT-343, SOT-353, SOT-363, SOT-563, SOT-553, SOT-723, SOT-923, SOT23-5, SOT-23-6L, SOT-89, WBFBP-03E, MELF, MINI-MELF, DO-213AA, DO-213AB, TO-252/D-PAK, TO-263/D2PAK, DO-218AB, R-1, A-405, DO-34, DO-35, DO-41, DO-15, R-3, DO-27/DO-201AD, R-6, TO-220AC, TO-220AB, ITO-220AC, ITO-220AB, TO-277A, TO-277B, TO-247, TO-3P, TO-264, TO-126, TO-251/IPAK, TO-92, DIP, UMB, MB-S, MBF, DBS, ABF, CDS, ABS, TBS, LBF, UMSB, TMBF, MB-M, DB-1, WOM, KBP, KBP-K, D3K, KBL, KBU, RS, GBP, GBL, GBU, KBJ, GBJ, KBPC, KBPC-W, GBPC, GBPC-W, TTF, PDFN3*3, PDFN5*6

Origin of the Product(s): CHINA

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

SGS Job No.: SHP23-013389

Sample Receiving Date: Sep 15, 2023

Testing Period: Sep 15, 2023 ~ Sep 21, 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).

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 (Shanghai) Co., Ltd.

Annie Liu

Annie Liu
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	SHA23-0149427-0001.C001	Silver metal/black body with yellow lettering

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) ^{Δ1}	1163-19-5	Prohibited	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) ^{Δ2}	68937-41-7	Prohibited	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) ^{Δ3}	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) ^{Δ1}: The submitted sample is exempted if it is plastic for recycling from products or articles containing Deca-BDE.

 (3) ^{Δ2}: The submitted sample is exempted from the regulated scope if it is anyone of the following:

- Hydraulic fluids for aviation or military industry;
- Lubricants and grease;
- New and replacement parts for motor and aerospace vehicles;
- Intermediate in a closed system to produce cyanoacrylate adhesive;
- Specialized engine air filters for locomotive and marine applications;
- Plastic for recycling from products or articles containing PIP (3:1);
- Finished products or articles made of plastic recycled from products or articles containing PIP (3:1).

 (4) ^{Δ3}: The submitted sample is out of the regulated scope if it is not oil or lubricant.

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.



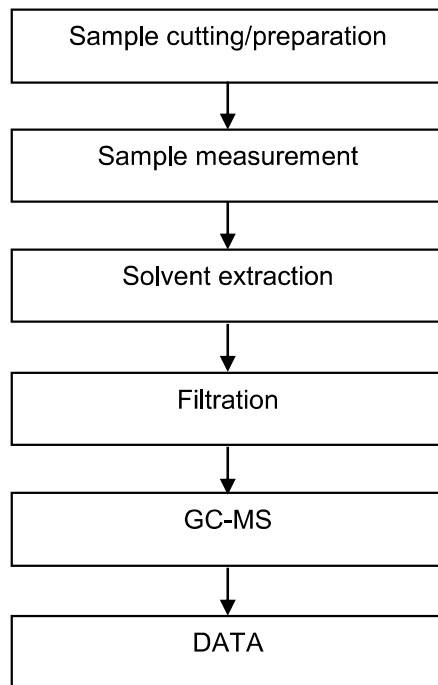
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Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart



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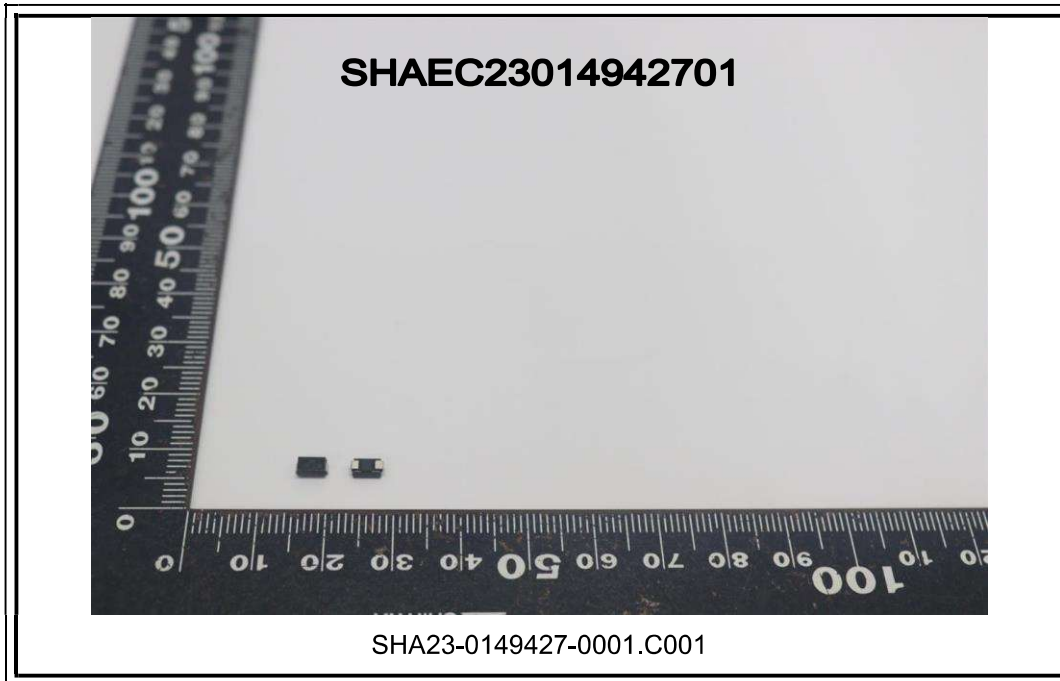
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Sample Photo:



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*** End of Report ***



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