

## Test Report

No.: CANEC24020379403

Date: Sep 19, 2024

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Client Name: JIANGSU MHCHXM ELECTRONIC TECHNOLOGY CO., LTD

Client Address: NO.1661 YUNNAN ROAD NANZHA STREET JIANGYIN CITY JIANGSU PROVINCE  
CHINA

Sample Name: diodes

Model No.: TO-220AB

Client Ref. Information: ITO-220AB/ITO-220AC/ITO-220AB-D/TO-247AB/TO-247AC-A/TO-220AB/TO-220AC-A  
/TO-252-2L/TO-251-3L/TO-263-2L/TO-262-3L/TO-262-3L-D/TO-263M-2L/TO-277

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

SGS Job No.: GZP24-030293

Sample Receiving Date: Sep 12, 2024

Testing Period: Sep 12, 2024 ~ Sep 19, 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
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. Guangzhou Branch

*Dongyu Xie*

Dongyu Xie  
Approved Signatory

scan to see the report



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

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**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0203794-0001.C001	Black material

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:** SGS In-house method (SGS-CCL-TOP-149-07, With reference to US EPA Method 3550C:2007), analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Decabromodiphenyl ether (DecaBDE) <sup>Δ1</sup>	1163-19-5	Prohibited	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) <sup>Δ2</sup>	68937-41-7	Prohibited	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) <sup>Δ3</sup>	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
<b>Conclusion</b>					<b>Pass</b>

**Notes:**

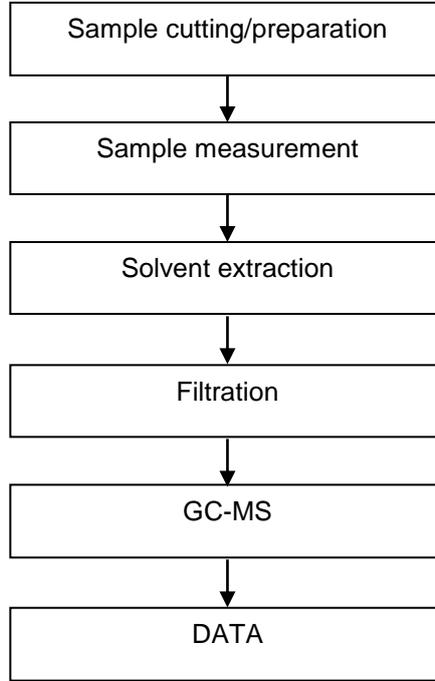
- (1) The regulation is available at the following link.  
<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>
  - (2) <sup>Δ1</sup>: The submitted sample is exempted if it is plastic for recycling from products or articles containing Deca-BDE.
  - (3) <sup>Δ2</sup>: 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) <sup>Δ3</sup>: The submitted sample is out of the regulated scope if it is not oil or lubricant.
- Remark: Results & photo(s) of this report refer to test report CANEC24020379401.  
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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ATTACHMENTS

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



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Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



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Guangzhou Branch, Technical Services CA, Guangzhou Branch

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