



# Test Report

No.: ETR23903966

Date: 27-Sep-2023

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SHINGTECH ELECTRONICS CO., LTD.

NO. 303, SEC. 2, NANSHAN RD., LUZHU DISTRICT, TAOYUAN CITY 338, TAIWAN (R. O. C.)

The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : SHINGTECH ELECTRONICS CO., LTD.

Sample Name : PCB

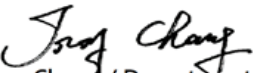
Sample Receiving Date : 21-Sep-2023

Testing Period : 21-Sep-2023 to 27-Sep-2023

**Test Requested** : As specified by client, the sample(s) was/were tested for 5 PBTs with reference to Regulation of Persistent, Bioaccumulative, Toxic (PBT) Chemicals under Toxic Substances Control Act (TSCA) Section 6(h). Please refer to result table for testing item(s).

**Test Results** : Please refer to following pages.

**Conclusion** : Based on the performed tests on submitted sample(s), the test result(s) comply with the limits as set by Persistent, Bioaccumulative, Toxic (PBT) Chemicals under Toxic Substances Control Act (TSCA) Section 6(h).

  
Troy Chang / Department Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



PIN CODE: 760B4DB1

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## Test Part Description

No.1 : GREEN PCB

## Test Result(s)

Test Item(s)	Method	Unit	MDL	Result	Limit
				No.1	
Decabromodiphenyl ether (DecaBDE) (CAS No.: 1163-19-5)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	5	n.d.	Prohibited / N/A(*3)
Phenol, isopropylated, phosphate (3:1) (PIP 3:1) (CAS No.: 68937-41-7)		mg/kg	5	n.d.	Prohibited / N/A(*1)
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) (CAS No.: 732-26-3)		mg/kg	5	n.d.	3000 / N/A(*2)
Pentachlorothiophenol (PCTP) (CAS No.: 133-49-3)		mg/kg	5	n.d.	10000
Hexachlorobutadiene (HCBd) (CAS No.: 87-68-3)		mg/kg	5	n.d.	Prohibited

## Note :

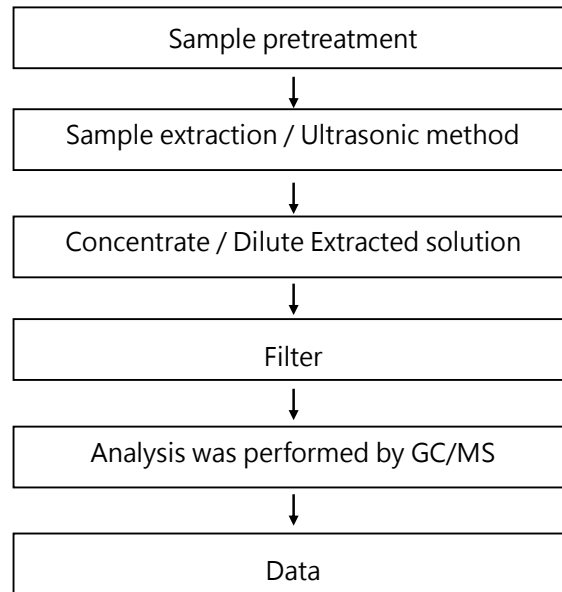
1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected ( Less than MDL)
4. Unless otherwise stated , the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.
5. Detail explanation of 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>
6. N/A(\*1) : The submitted sample is exempted from the regulated scope if it is anyone of the following :
  - Hydraulic fluids for aviation or military
  - Lubricants and grease
  - New and replacement parts for motor and aerospace vehicles
  - Manufacture of cyanoacrylate adhesives in closed systems
  - Specialized engine air filters for locomotive and marine applications
  - Plastic for recycling from PIP (3:1)-containing products or articles
  - Finished products or articles made of plastic recycled from PIP (3:1)-containing products or articles
  - Processing and distribution in commerce of PIP (3:1)-containing articles, before October 31, 2024
7. N/A(\*2) : The submitted sample is exempted from the regulated scope if it is not oil and lubricant additives.
8. N/A(\*3) : The submitted sample is exempted from the regulated scope if it is anyone of the following :  
Exempts processing and distribution for recycling of DecaBDE-containing plastic from products or articles and DecaBDE-containing products or articles made from such recycled plastic.

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### Analytical flow chart - Persistent, Bioaccumulative, Toxic (PBTs)



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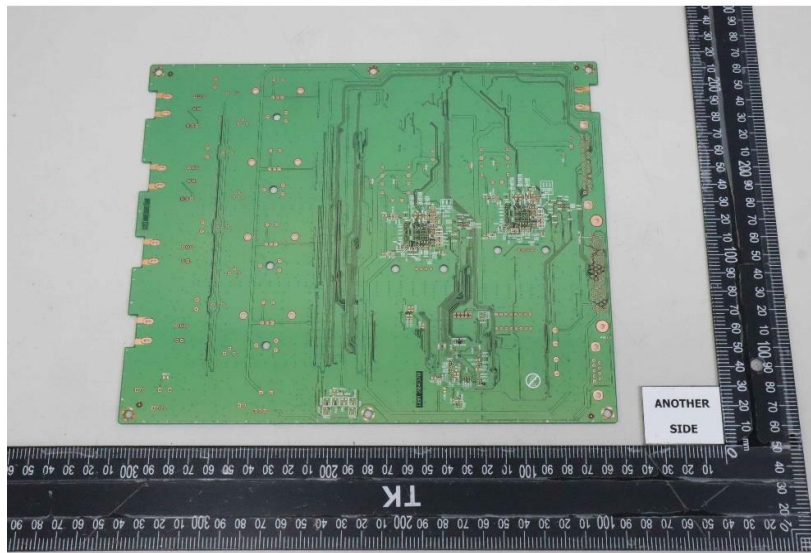
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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

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\*\* End of Report \*\*

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