

# Test Report



Page 1 of 7

Report No. A2240056047101001

Company Name SHENZHEN YIK SHING TAT INDUSTRIAL CO.LTD  
shown on Report

Address NO.38QIANJIN SECOND RD.,XIXIANG,BAOAN DISTRICT,SHENZHEN GUANGDONG  
CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name Lead-Free Paste  
Part No. FLY905-CW-4  
Sample Received Date Jan. 27, 2024  
Testing Period Jan. 27, 2024 to Jan. 31, 2024

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).



Approved by

*Hill Zheng*

Date

Jan. 31, 2024

Hill Zheng

Technical Manager

No. R338851649

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Report No. A2240056047101001 Page 2 of 7  
Test Method

| Test Item(s)                           | Test Method                                                                   | Measured Equipment(s) |
|----------------------------------------|-------------------------------------------------------------------------------|-----------------------|
| Lead (Pb)                              | IEC 62321-5:2013                                                              | ICP-OES               |
| Cadmium (Cd)                           | IEC 62321-5:2013                                                              | ICP-OES               |
| Mercury (Hg)                           | IEC 62321-4:2013+AMD1:2017 CSV                                                | ICP-OES               |
| Hexavalent Chromium (Cr(VI))           | IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013 | UV-Vis/ICP-OES        |
| Polybrominated Biphenyls (PBBs)        | IEC 62321-6:2015                                                              | GC-MS                 |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015                                                              | GC-MS                 |
| Phthalates (DBP, BBP, DEHP, DIBP)      | IEC 62321-8:2017                                                              | GC-MS                 |
| Fluorine (F)                           | Refer to EN 14582:2016                                                        | IC                    |
| Chlorine (Cl)                          | Refer to EN 14582:2016                                                        | IC                    |
| Bromine (Br)                           | Refer to EN 14582:2016                                                        | IC                    |
| Iodine (I)                             | Refer to EN 14582:2016                                                        | IC                    |

## Test Report

Report No. A2240056047101001

Page 3 of 7

## Test Result(s)

| Tested Item(s)               | Result   | MDL     |
|------------------------------|----------|---------|
|                              | 001      |         |
| Lead (Pb)                    | 16 mg/kg | 2 mg/kg |
| Cadmium (Cd)                 | N.D.     | 2 mg/kg |
| Mercury (Hg)                 | N.D.     | 2 mg/kg |
| Hexavalent Chromium (Cr(VI)) | N.D.     | 8 mg/kg |

| Tested Item(s)                  | Result | MDL     |
|---------------------------------|--------|---------|
|                                 | 001    |         |
| Polybrominated Biphenyls (PBBs) |        |         |
| Monobromobiphenyl               | N.D.   | 5 mg/kg |
| Dibromobiphenyl                 | N.D.   | 5 mg/kg |
| Tribromobiphenyl                | N.D.   | 5 mg/kg |
| Tetrabromobiphenyl              | N.D.   | 5 mg/kg |
| Pentabromobiphenyl              | N.D.   | 5 mg/kg |
| Hexabromobiphenyl               | N.D.   | 5 mg/kg |
| Heptabromobiphenyl              | N.D.   | 5 mg/kg |
| Octabromobiphenyl               | N.D.   | 5 mg/kg |
| Nonabromobiphenyl               | N.D.   | 5 mg/kg |
| Decabromobiphenyl               | N.D.   | 5 mg/kg |

| Tested Item(s)                         | Result | MDL     |
|----------------------------------------|--------|---------|
|                                        | 001    |         |
| Polybrominated Diphenyl Ethers (PBDEs) |        |         |
| Monobromodiphenyl ether                | N.D.   | 5 mg/kg |
| Dibromodiphenyl ether                  | N.D.   | 5 mg/kg |
| Tribromodiphenyl ether                 | N.D.   | 5 mg/kg |
| Tetrabromodiphenyl ether               | N.D.   | 5 mg/kg |
| Pentabromodiphenyl ether               | N.D.   | 5 mg/kg |
| Hexabromodiphenyl ether                | N.D.   | 5 mg/kg |
| Heptabromodiphenyl ether               | N.D.   | 5 mg/kg |
| Octabromodiphenyl ether                | N.D.   | 5 mg/kg |
| Nonabromodiphenyl ether                | N.D.   | 5 mg/kg |
| Decabromodiphenyl ether                | N.D.   | 5 mg/kg |

# Test Report

**Report No.** A2240056047101001

Page 4 of 7

**Test Result(s)**

| Tested Item(s)                                      | Result | MDL      |
|-----------------------------------------------------|--------|----------|
|                                                     | 001    |          |
| Phthalates (DBP, BBP, DEHP, DIBP)                   |        |          |
| Dibutyl phthalate (DBP)<br>CAS#:84-74-2             | N.D.   | 50 mg/kg |
| Butyl benzyl phthalate (BBP)<br>CAS#:85-68-7        | N.D.   | 50 mg/kg |
| Di-(2-ethylhexyl) phthalate (DEHP)<br>CAS#:117-81-7 | N.D.   | 50 mg/kg |
| Diisobutyl phthalate (DIBP)<br>CAS#:84-69-5         | N.D.   | 50 mg/kg |
| Tested Item(s)                                      | Result | MDL      |
|                                                     | 001    |          |
| Fluorine (F)                                        | N.D.   | 10 mg/kg |
| Chlorine (Cl)                                       | N.D.   | 10 mg/kg |
| Bromine (Br)                                        | N.D.   | 10 mg/kg |
| Iodine (I)                                          | N.D.   | 10 mg/kg |

**Sample/Part Description**

| No. | CTI Sample ID | Description            |
|-----|---------------|------------------------|
| 1   | 001           | Grey paste(dry weight) |

**Remark:**

- The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.
- The sample was tested after drying for 4 hours under 200 °C.
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL )
- mg/kg = ppm = parts per million

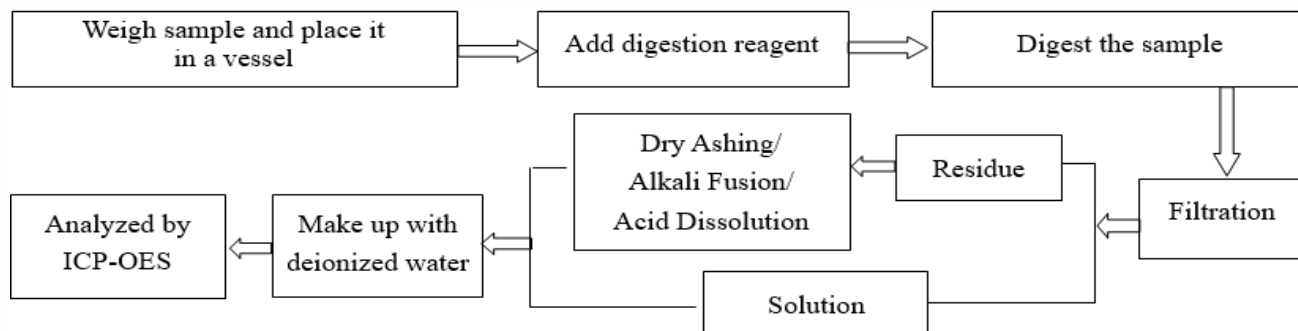
# Test Report

Report No. A2240056047101001

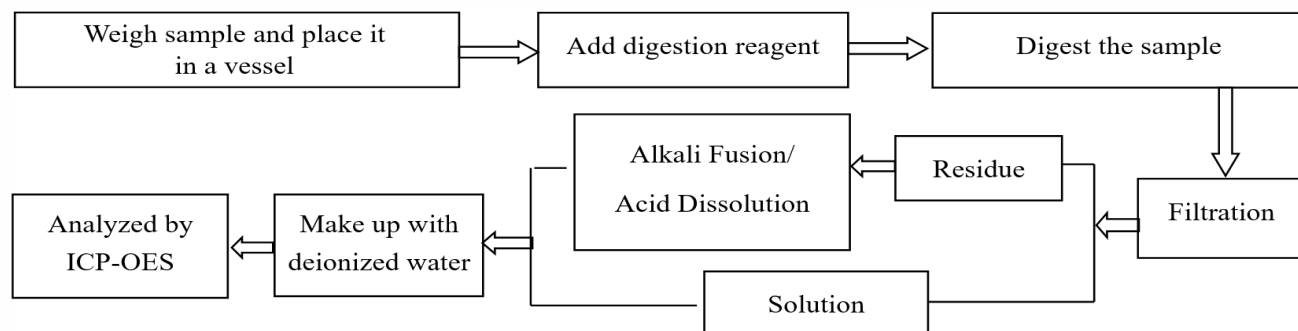
Page 5 of 7

## Test Process

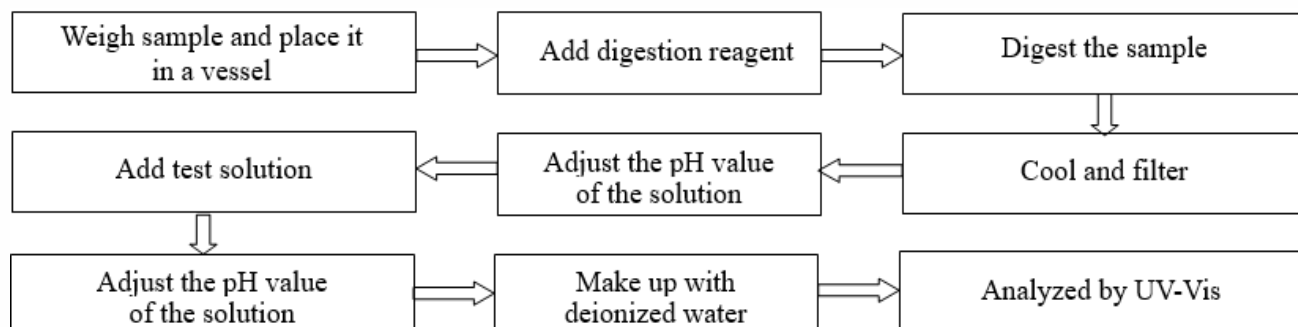
### 1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



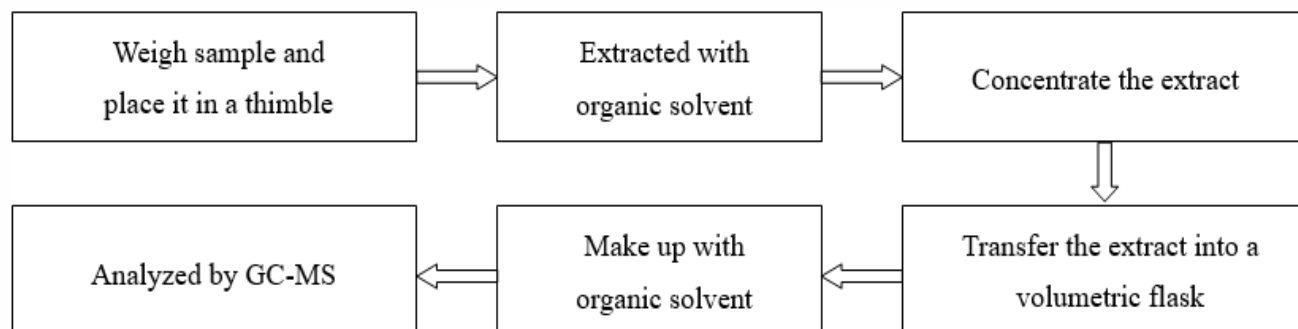
### 2. Mercury (Hg)



### 3. Hexavalent Chromium (Cr(VI))



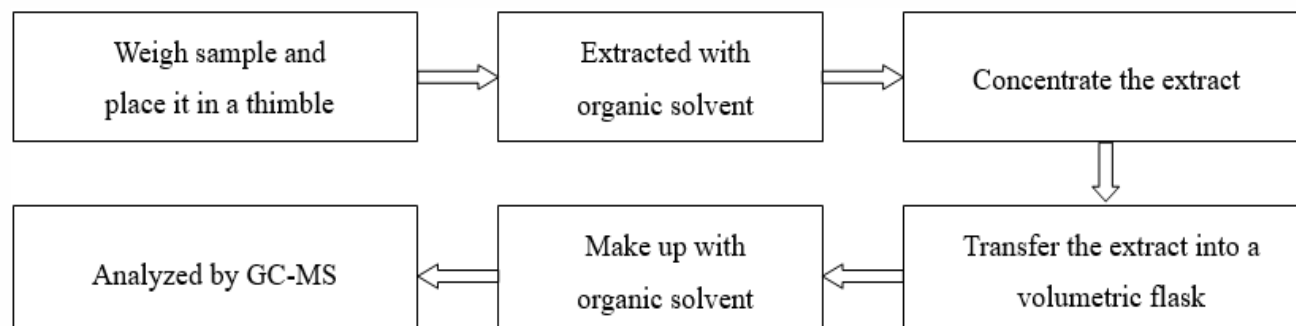
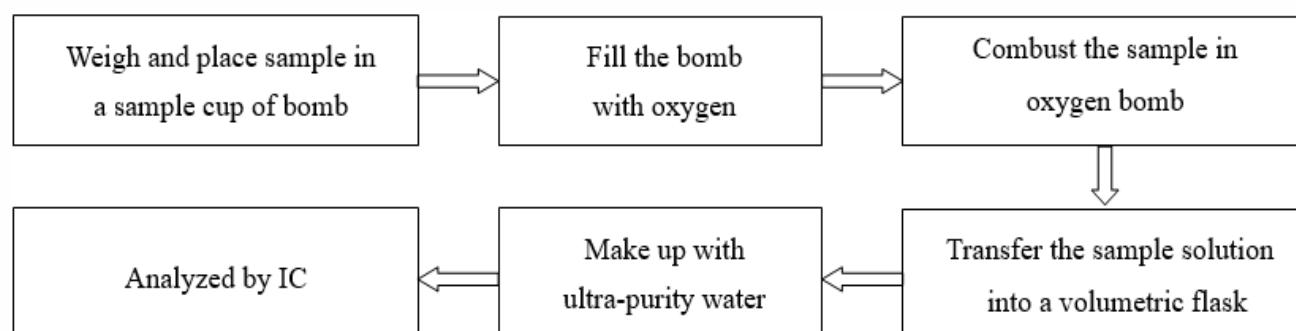
### 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



# Test Report

Report No. A2240056047101001

Page 6 of 7

**5. Phthalates (DBP, BBP, DEHP, DIBP)****6. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)**

# Test Report

Report No. A2240056047101001

Page 7 of 7

## Photo(s) of the sample(s)

Before drying



After drying



### Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

\*\*\* End of report \*\*\*