

Test Report



Report No. A225007989210100101

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Company Name shown on Report SHENGYI TECHNOLOGY (CHANGSHU) CO., LTD.

Address NO.99 XIANGYUAN RD.HI-TECH INDUSTRIAL DEVELOPMENT ZONE, CHANGSHU,JIANGSU,CHINA

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

Sample Name Prepreg
Model No. SP225GN
Sample Received Date Feb. 17, 2025
Testing Period Feb. 17, 2025 to Feb. 22, 2025

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), Beryllium(Be), Antimony(Sb), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Hexabromocyclododecane (HBCDD), Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS), Phthalates in the submitted sample(s).

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

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

Conclusion

| <u>Tested Sample</u> | <u>According to standard/directive</u> | <u>Result</u> |
|----------------------|--|---------------|
| Submitted Sample | RoHS Directive 2011/65/EU with amendment (EU) 2015/863 | PASS |

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.



Approved by

Chen Kaimin

Date

Feb. 22, 2025

Chen kaimin
Lab Manager

No. R780119712

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No.1351, Wanfang Road, Minhang District, Shanghai, China

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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 | UV-Vis |
| 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 |
| Beryllium(Be) | Refer to US EPA 3052:1996 & US EPA 6010D:2018 | ICP-OES |
| Antimony(Sb) | Refer to US EPA 3052:1996 & US EPA 6010D:2018 | ICP-OES |
| Fluorine (F) | EN 14582:2016 | IC |
| Chlorine (Cl) | EN 14582:2016 | IC |
| Bromine (Br) | EN 14582:2016 | IC |
| Iodine (I) | EN 14582:2016 | IC |
| Hexabromocyclododecane (HBCDD) | IEC 62321-9:2021 | GC-MS |
| Perfluorooctanoic Acid(PFOA) | EN 17681-1:2022 | LC-MS-MS |
| Perfluorooctane Sulfonates(PFOS) | EN 17681-1:2022 | LC-MS-MS |
| Phthalates | Refer to EN 14372:2004(E) | GC-MS |

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Test Result(s)

| Tested Item(s) | Result | MDL | Limit |
|---|--------|---------|------------|
| | 001 | | |
| Lead (Pb) | N.D. | 2 mg/kg | 1000 mg/kg |
| Cadmium (Cd) | N.D. | 2 mg/kg | 100 mg/kg |
| Mercury (Hg) | N.D. | 2 mg/kg | 1000 mg/kg |
| Hexavalent Chromium (Cr(VI)) | N.D. | 8 mg/kg | 1000 mg/kg |
| Tested Item(s) | Result | MDL | Limit |
| | 001 | | |
| Polybrominated Biphenyls (PBBs) | | | |
| Monobromobiphenyl | N.D. | 5 mg/kg | 1000 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 | Limit |
| | 001 | | |
| Polybrominated Diphenyl Ethers (PBDEs) | | | |
| Monobromodiphenyl ether | N.D. | 5 mg/kg | 1000 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 | |

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Test Result(s)

| Tested Item(s) | Result | MDL | Limit |
|---|-----------|------------|------------|
| | 001 | | |
| Phthalates (DBP, BBP, DEHP, DIBP) | | | |
| Dibutyl phthalate (DBP) CAS#:84-74-2 | N.D. | 50 mg/kg | 1000 mg/kg |
| Butyl benzyl phthalate (BBP) CAS#:85-68-7 | N.D. | 50 mg/kg | 1000 mg/kg |
| Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7 | N.D. | 50 mg/kg | 1000 mg/kg |
| Diisobutyl phthalate (DIBP) CAS#:84-69-5 | N.D. | 50 mg/kg | 1000 mg/kg |
| Tested Item(s) | Result | MDL | |
| | 001 | | |
| Beryllium (Be) | N.D. | 10 mg/kg | |
| Antimony (Sb) | N.D. | 10 mg/kg | |
| Tested Item(s) | Result | MDL | |
| | 001 | | |
| Fluorine (F) | 977 mg/kg | 10 mg/kg | |
| Chlorine (Cl) | 331 mg/kg | 10 mg/kg | |
| Bromine (Br) | N.D. | 10 mg/kg | |
| Iodine (I) | N.D. | 10 mg/kg | |
| Tested Item(s) | Result | MDL | |
| | 001 | | |
| Hexabromocyclododecane (HBCDD) | N.D. | 20 mg/kg | |
| Tested Item(s) | Result | MDL | |
| | 001 | | |
| Perfluorooctanoic Acid (PFOA) | N.D. | 0.01 mg/kg | |
| Tested Item(s) | Result | MDL | |
| | 001 | | |
| Perfluorooctane Sulfonates (PFOS) | N.D. | 0.01 mg/kg | |

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Test Result(s)

| Tested Item(s) | Result | MDL |
|---|--------|-----------|
| | 001 | |
| Phthalates | | |
| Di-n-octyl phthalate (DNOP) CAS#:117-84-0 | N.D. | 50 mg/kg |
| Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0 | N.D. | 50 mg/kg |
| Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1 | N.D. | 50 mg/kg |
| Dimethyl phthalate (DMP) CAS#:131-11-3 | N.D. | 50 mg/kg |
| Diethyl phthalate (DEP) CAS#:84-66-2 | N.D. | 50 mg/kg |
| Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0 | N.D. | 50 mg/kg |
| Dicyclohexyl phthalate (DCHP) CAS#:84-61-7 | N.D. | 50 mg/kg |
| Diisooctyl phthalate (DIOP) CAS#:27554-26-3 | N.D. | 50 mg/kg |
| Dinonyl phthalate (DNP) CAS#:84-76-4 | N.D. | 50 mg/kg |
| Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3 | N.D. | 50 mg/kg |
| Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8 | N.D. | 50 mg/kg |
| Diisopentylphthalate (DIPP) CAS#:605-50-5 | N.D. | 50 mg/kg |
| *1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP) CAS#:68515-42-4 | N.D. | 100 mg/kg |
| *1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) CAS#:71888-89-6 | N.D. | 100 mg/kg |

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Sample/Part Description

| No. | CTI Sample ID | Description |
|-----|---------------|--------------------|
| 1 | 001 | Yellow resin board |

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Beryllium, Antimony.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-*=In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

According to the client's statement, the Company Name shown on Report in this report and the Company Name shown on Report in the report A2250079892101001 are the Group-subsiary relations,the test result(s) of this report is/are presented in reference to the result(s) that reported in A2250079892101001.

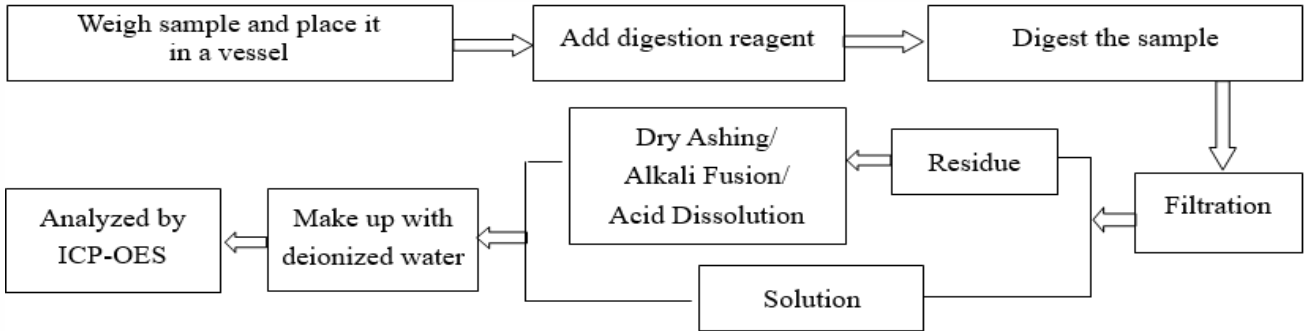
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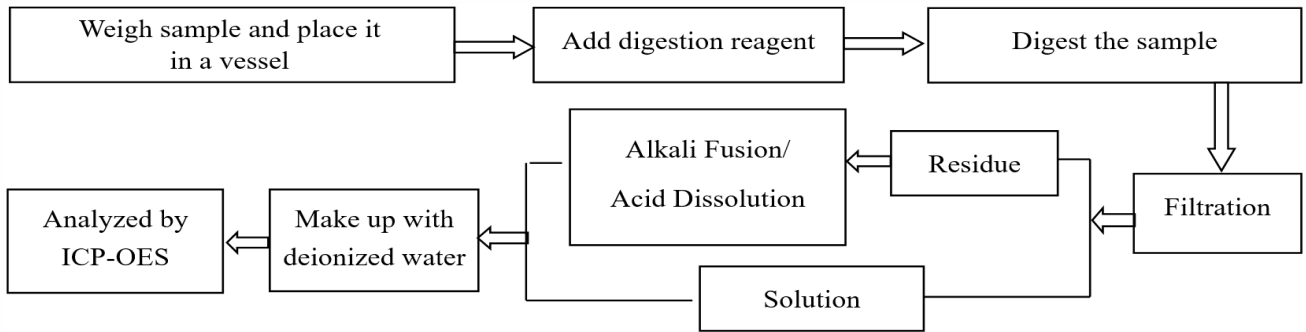
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Test Process

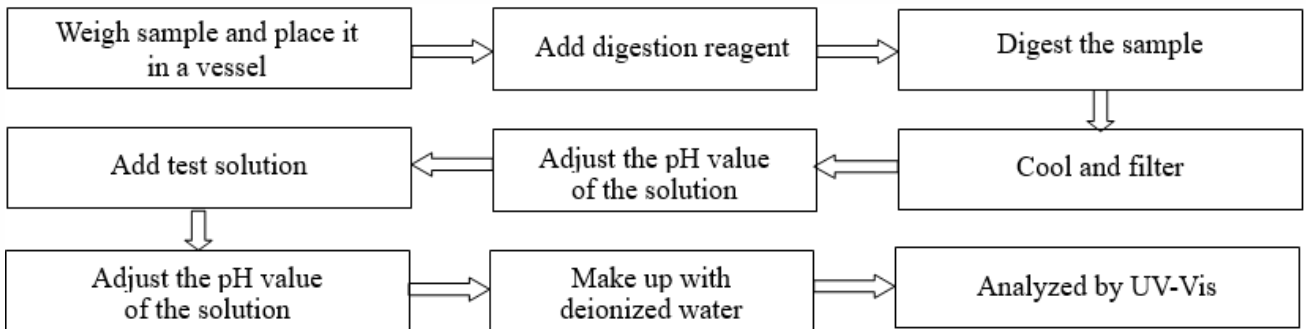
1. Lead (Pb), Cadmium (Cd)



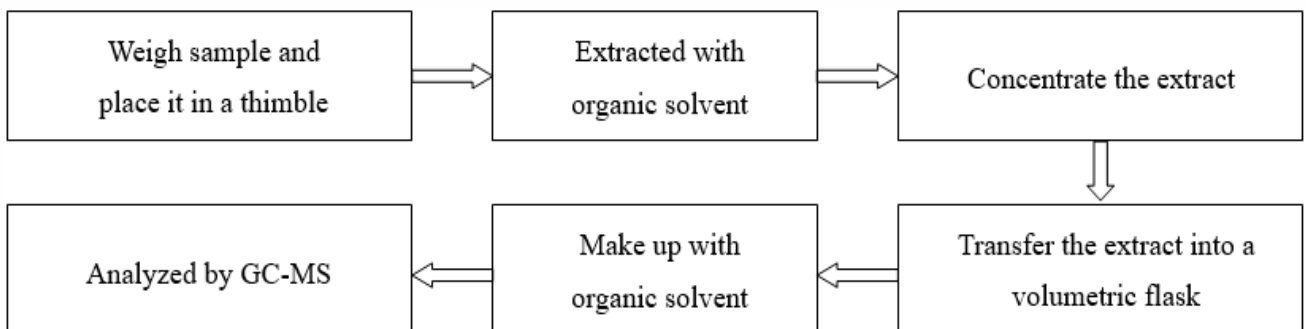
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



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

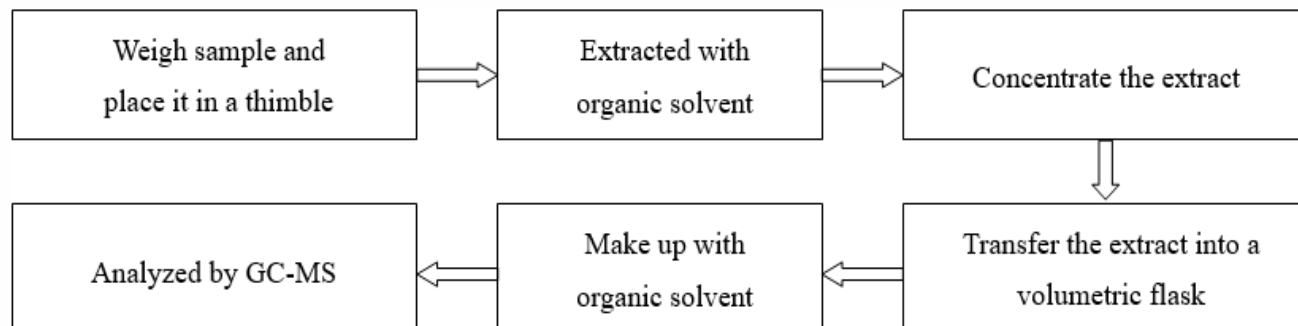


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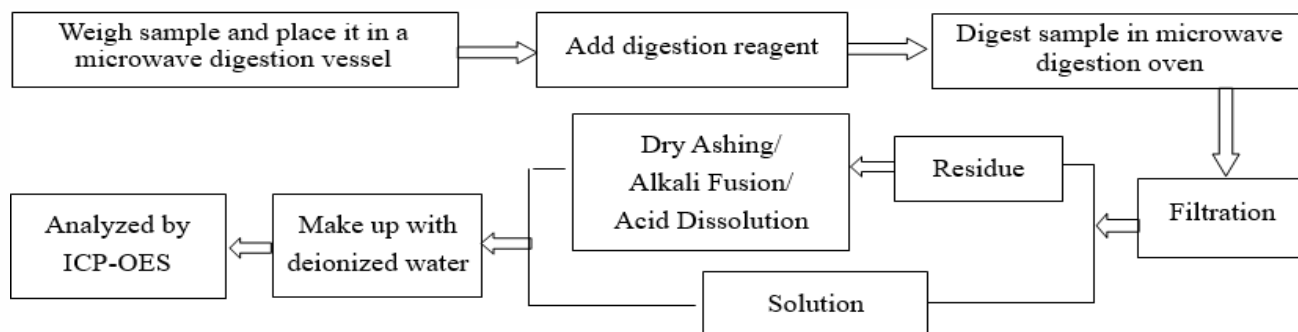
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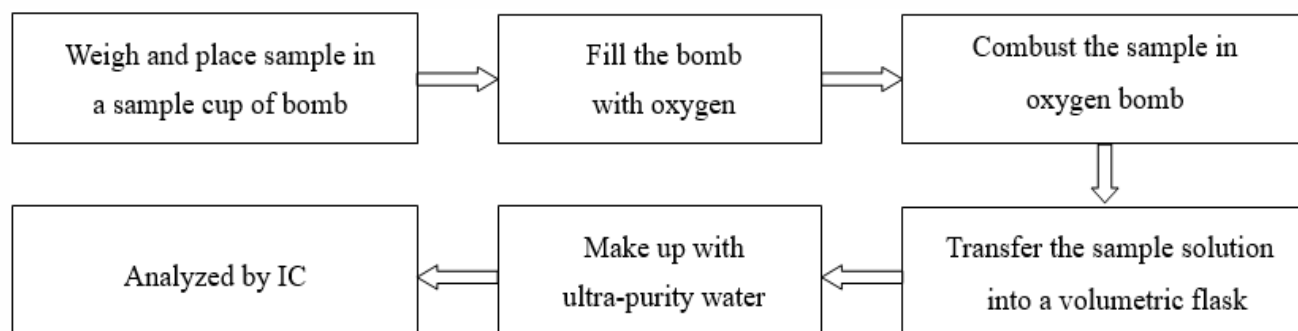
5. Phthalates (DBP, BBP, DEHP, DIBP)



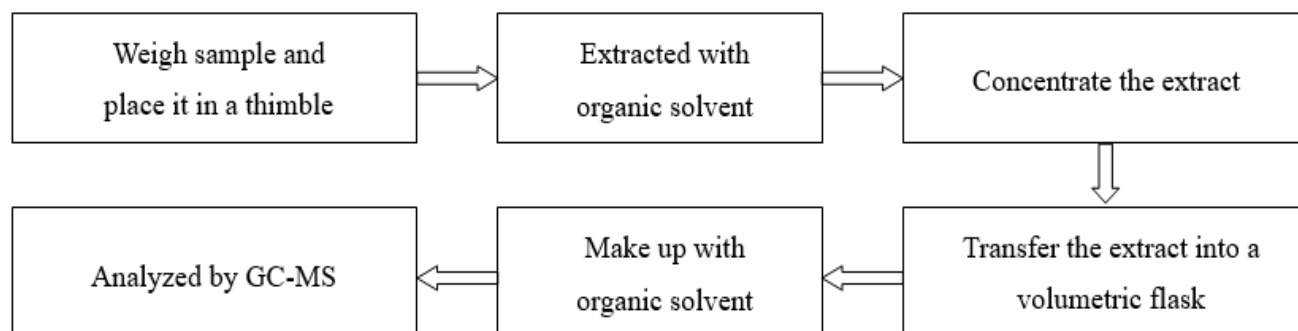
6. Beryllium(Be), Antimony(Sb)



7. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



8. Hexabromocyclododecane (HBCDD)

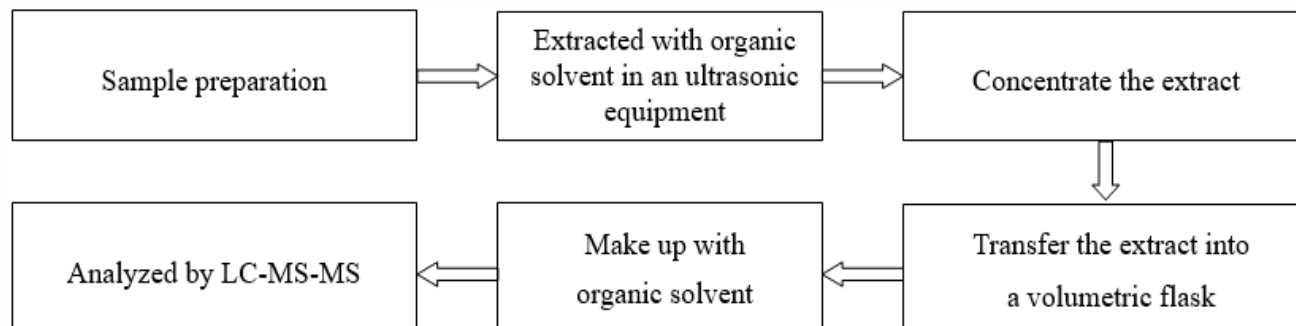


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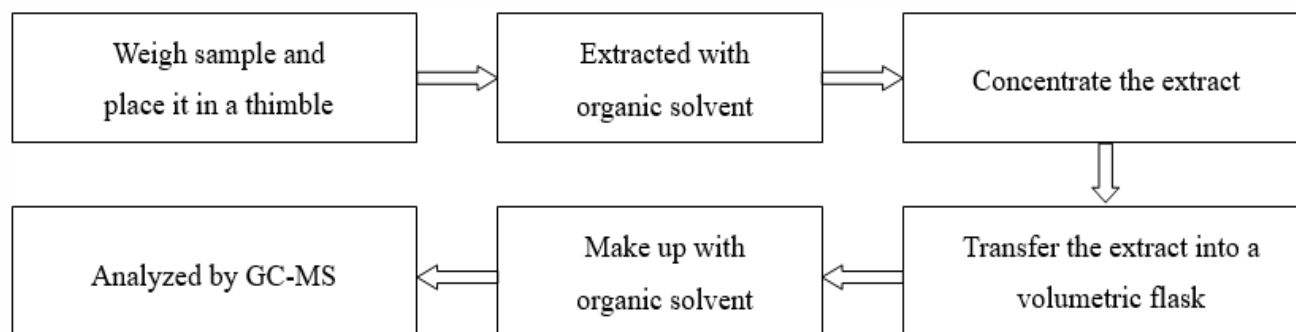
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9. Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS)



10. Phthalates

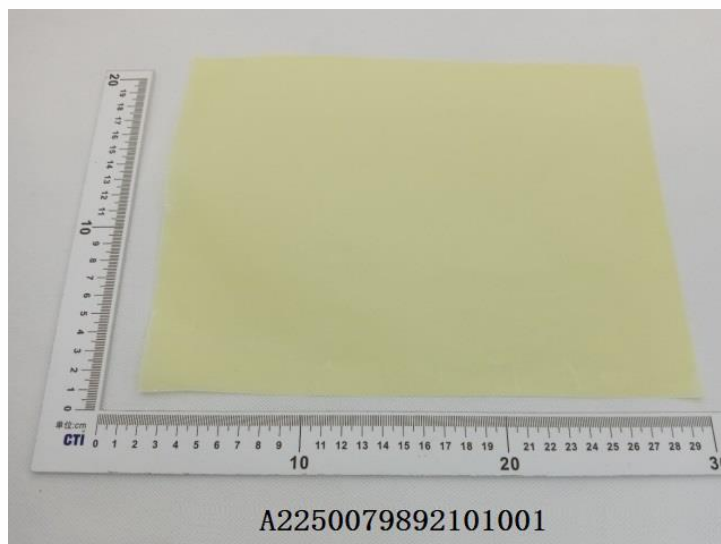


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Photo(s) of the sample(s)



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 ***