

檢測報告 Test Report



報告編號 A221012483710100101E
Report No. A221012483710100101E

第 1 頁 共 7 頁
Page 1 of 7

報告抬頭公司名稱 高柏科技股份有限公司
Company Name T- GLOBAL TECHNOLOGY CO., LTD.
shown on Report
地 址 桃園市桃園區大仁路50巷33號
Address NO. 33, LN. 50, DAREN RD., TAOYUAN DIST., TAOYUAN CITY 330, TAIWAN

以下測試之樣品及樣品資訊由申請者提供並確認

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

樣品名稱 導熱矽膠片
Sample Name 導熱矽膠片
樣品型號 TG-A 48-6
Part No. TG-A 48-6
樣品接收日期 2021.04.09
Sample Received Date Apr. 9, 2021
樣品檢測日期 2021.04.09 - 2021.04.15
Testing Period Apr. 9, 2021 to Apr. 15, 2021

檢測要求 根據客戶要求, 對所提交樣品中的鉛(Pb), 鎘(Cd), 汞(Hg), 六價鉻(Cr(VI)), 多溴聯苯(PBBs), 多溴二苯醚(PBDEs), 鄰苯二甲酸酯(DBP, BBP, DEHP, DIBP), 氟(F), 氯(Cl), 溴(Br), 碘(I)進行測試。

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).

檢測依據/檢測結果 請參見下頁。
Test Method/Test Result(s) Please refer to the following page(s).



徐智聰

馮智聰

馮智聰

實驗室經理 Laboratory Manager

審 核
Reviewed by

黃文昕

日 期
Date

2021.06.07

No. R392339662

桃園市蘆竹區南崁路二段9號5樓之6

5F- 6, No.9, Sec.2, Nankan Rd, Luzhu Dist., Taoyuan, Taiwan

檢測報告

Test Report

報告編號 A221012483710100101E

Report No. A221012483710100101E

第 2 頁 共 7 頁

Page 2 of 7

檢測依據 Test Method

測試項目 Test Item(s)	測試方法 Test Method	測試儀器 Measured Equipment(s)
鉛 Lead (Pb)	IEC 62321- 5:2013	ICP- OES
鎘 Cadmium (Cd)	IEC 62321- 5:2013	ICP- OES
汞 Mercury (Hg)	IEC 62321- 4:2013+AMD1:2017 CSV	ICP- OES
六價鉻 Hexavalent Chromium (Cr(VI))	IEC 62321- 7- 2:2017	UV- vis
多溴聯苯 Polybrominated Biphenyls (PBBs)	IEC 62321- 6:2015	GC- MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321- 6:2015	GC- MS
鄰苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321- 8:2017	GC- MS
氟 Fluorine (F)	參考EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	參考EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	參考EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	參考EN 14582:2016 Refer to EN 14582:2016	IC

檢測報告
Test Report

報告編號 A221012483710100101E

Report No. A221012483710100101E

第 3 頁 共 7 頁

Page 3 of 7

檢測結果 Test Result(s)

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
鉛 Lead (Pb)	N.D.	2 mg/kg
鎘 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六價鉻 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
多溴聯苯 Polybrominated Biphenyls (PBBs)		
PBBs PBBs (PBBs)	N.D.	/
一溴聯苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴聯苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴聯苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴聯苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴聯苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴聯苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴聯苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴聯苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴聯苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴聯苯 Decabromobiphenyl	N.D.	5 mg/kg

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)		
PBDEs PBDEs (PBDEs)	N.D.	/
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg

檢測報告
Test Report

報告編號 A221012483710100101E

Report No. A221012483710100101E

第 4 頁 共 7 頁

Page 4 of 7

檢測結果 Test Result(s)

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
鄰苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)		
鄰苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
鄰苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
鄰苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
鄰苯二甲酸二異丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg
測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
氟 Fluorine (F)	N.D.	50 mg/kg
氯 Chlorine (Cl)	N.D.	50 mg/kg
溴 Bromine (Br)	N.D.	50 mg/kg
碘 Iodine (I)	N.D.	50 mg/kg

樣品/部位描述

灰色薄片(不含離型膜)

Sample/Part Description

Gray thin plate (excluding the release film)

備註:

對於檢測鉛, 鎘, 汞之樣品已完全溶解。

- N.D. = 未檢出 (小於方法檢出限)

- mg/kg = ppm = 百萬分之一

-根據客戶聲明, 本報告中樣品和報告A2210124837101001E中的樣品為同材質, 本報告中樣品的測試結果引自於報告A2210124837101001E。

Remark:

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

- MDL = Method Detection Limit

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

- mg/kg = ppm = parts per million

-According to the client's statement, the material of sample in this report is the same as the sample in report No. A2210124837101001E, so the test result(s) is(are) presented in reference to that one.

注釋:

本報告中的資料結果供科研、教學、企業內部品質控制、企業產品研發等目的用。

Note:

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

檢測報告 Test Report

報告編號 A221012483710100101E

Report No. A221012483710100101E

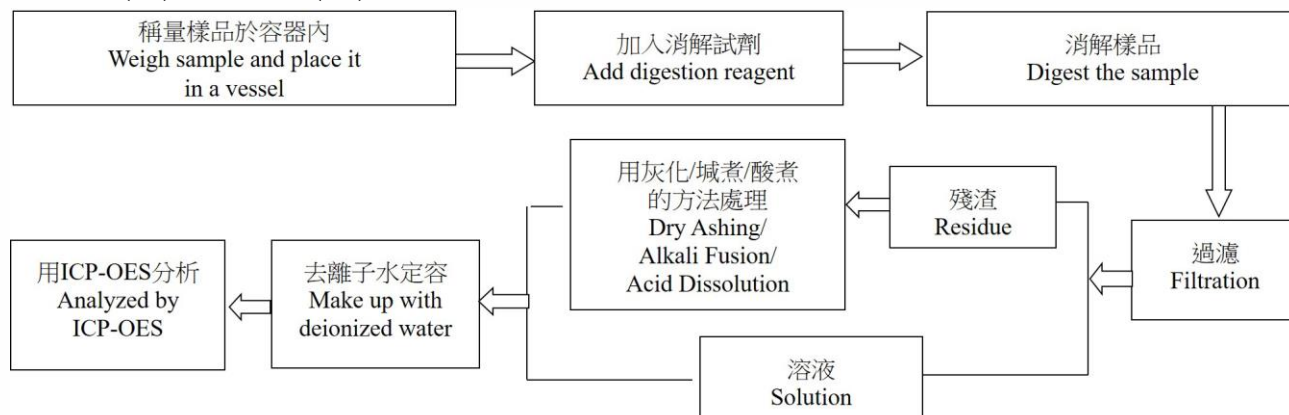
第 5 頁 共 7 頁

Page 5 of 7

檢測流程 Test Process

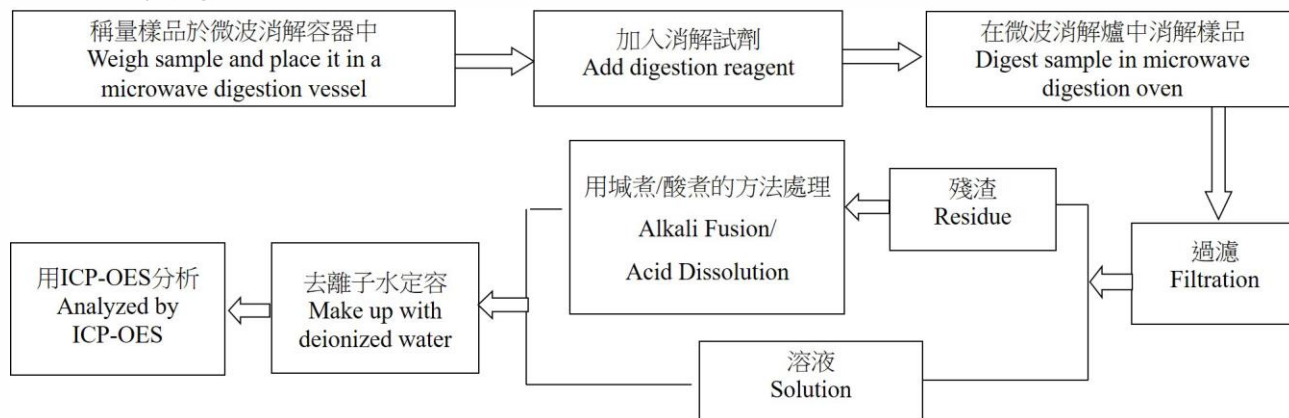
1. 鉛(Pb), 鎘(Cd)

Lead (Pb), Cadmium (Cd)



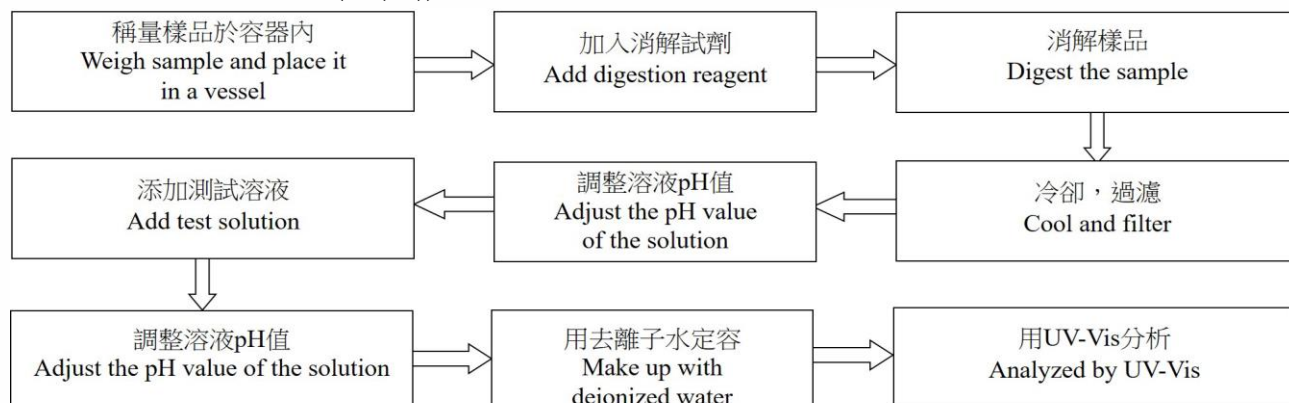
2. 汞(Hg)

Mercury (Hg)



3. 六價鉻(Cr(VI))

Hexavalent Chromium (Cr(VI))



檢測報告 Test Report

報告編號 A221012483710100101E

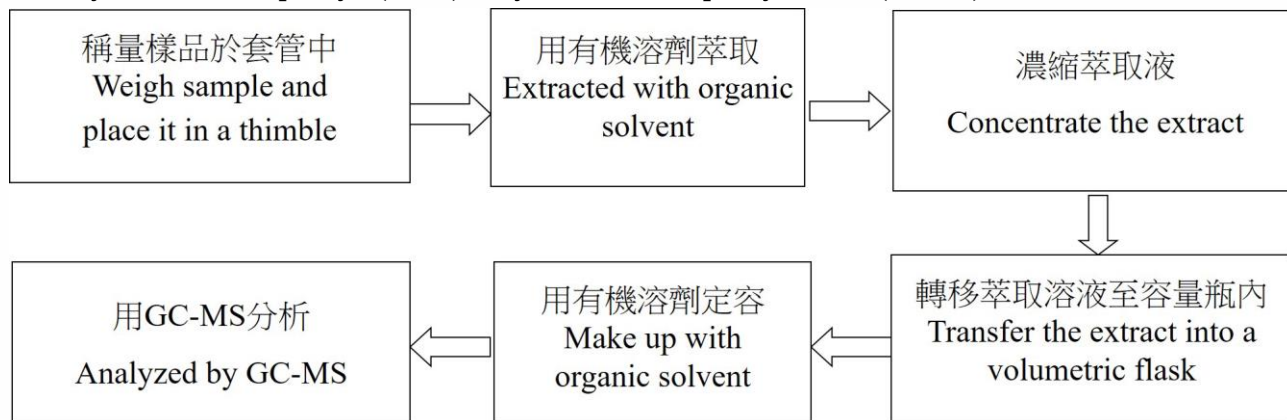
Report No. A221012483710100101E

第 6 頁 共 7 頁

Page 6 of 7

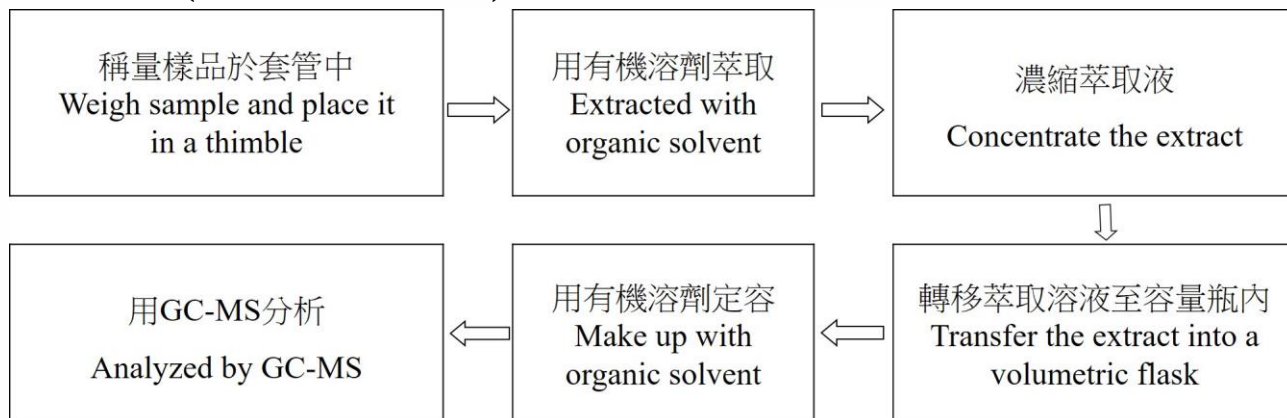
4. 多溴聯苯(PBBs), 多溴二苯醚(PBDEs)

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



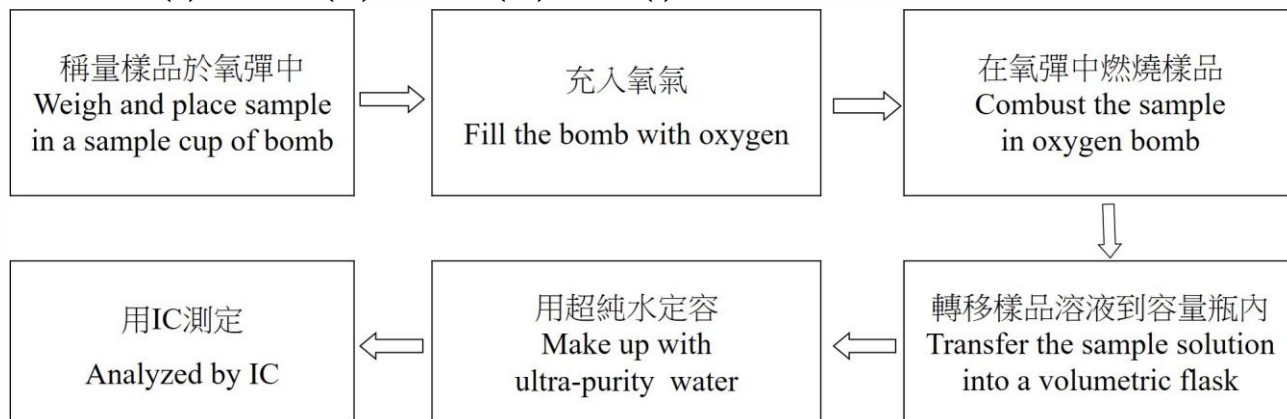
5. 鄰苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates (DBP, BBP, DEHP, DIBP)



6. 氟(F), 氯(Cl), 溴(Br), 碘(I)

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

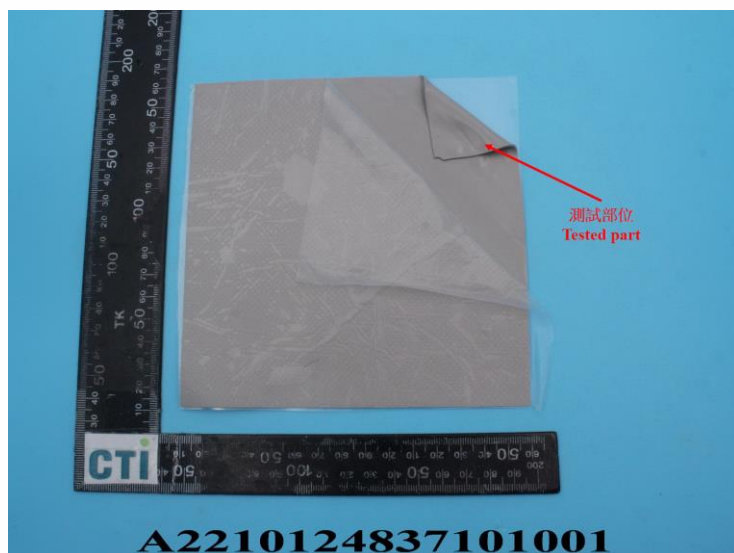


檢測報告 Test Report

報告編號 A221012483710100101E
Report No. A221012483710100101E

第 7 頁 共 7 頁
Page 7 of 7

樣品圖片 Photo(s) of the sample(s)



聲明Statement :

1. 檢測報告無批准人簽字、“專用章”及報告騎縫章無效；
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 報告抬頭公司名稱及位址、樣品及樣品資訊由申請者提供，申請者應對其真實性負責，CTI未核實其真實性；
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. 本報告檢測結果僅對受測樣品負責；
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未經CTI書面同意，不得部分複製本報告；
Without written approval of CTI, this report can't be reproduced except in full;
5. 如檢測報告中的英文內容與中文內容有差異，以中文為準。
In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

報告結束
*** End of report ***