

檢測報告 Test Report



報告編號 A2200034761101001E
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申請單位 眾智光電科技股份有限公司
Applicant ORIENTAL SYSTEM TECHNOLOGY INC.
地 址 新竹科學工業園區工業東九路25號1、2樓
Address 1- 2F NO. 25, INDUSTRY E. ROAD 9, SCIENCE - BASED INDUSTRIALPARK HSINCHU
308, TAIWAN R.O.C.

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 client

樣品名稱 SUBMOUNT CAPACITOR
Sample Name SUBMOUNT CAPACITOR
客戶參考資訊 SLC- DXXX系列 SLC- 0XXX0XXX系列 (SLC- DXXX SERIES
Client Reference Information SLC- 0XXX0XXX SERIES)
樣品接收日期 2020.03.03
Sample Received Date Mar. 3, 2020
樣品檢測日期 2020.03.03 - 2020.03.09
Testing Period Mar. 3, 2020 to Mar. 9, 2020

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)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) 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).



主 檢

Requested by

批 准

Approved by

羅俊吉

馮智聰

馮智聰

實驗室經理 Laboratory Manager

審 核

Reviewed by

日 期

Date

徐智端

2020.03.09

No. R392336163

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

台灣華測檢測技術有限公司檢測中心
Testing Center, Centre Testing International (Taiwan) Co.,
Ltd.

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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

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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

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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

樣品/部位描述 黃色顆粒
Sample/Part Description Yellow particle

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

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

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.

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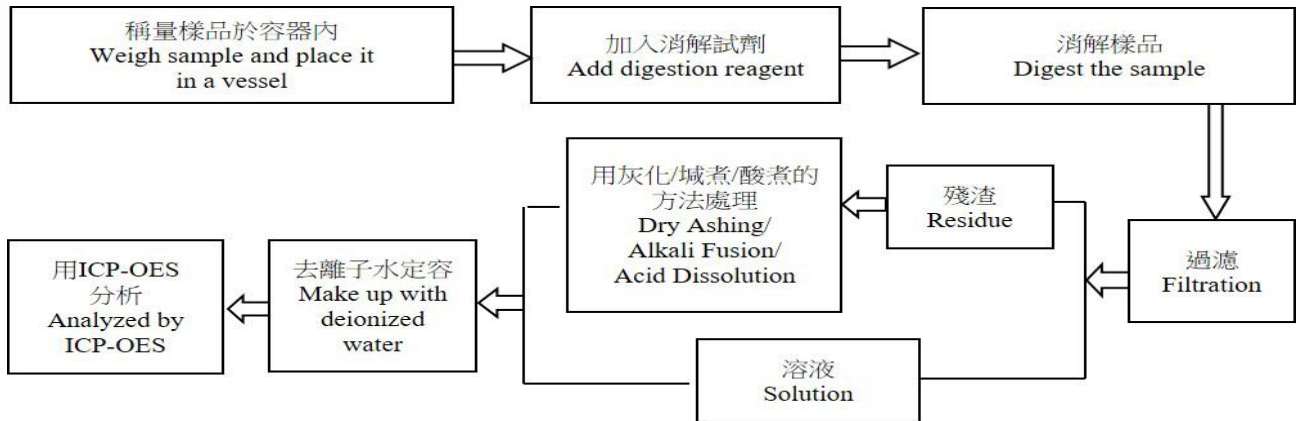
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檢測流程 Test Process

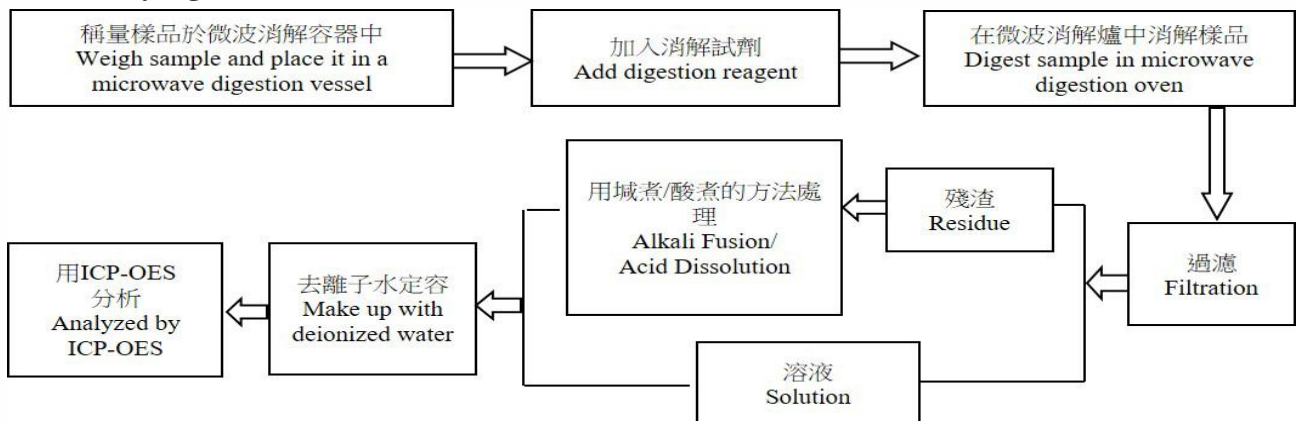
1. 鉛(Pb), 鎘(Cd)

Lead(Pb), Cadmium(Cd)



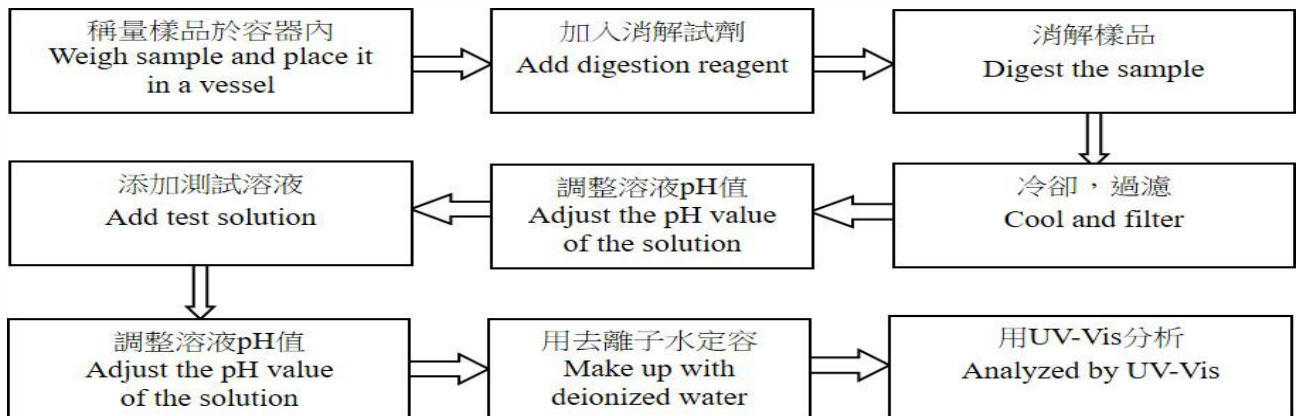
2. 汞(Hg)

Mercury(Hg)



3. 六價鉻(Cr(VI))

Hexavalent Chromium(Cr(VI))



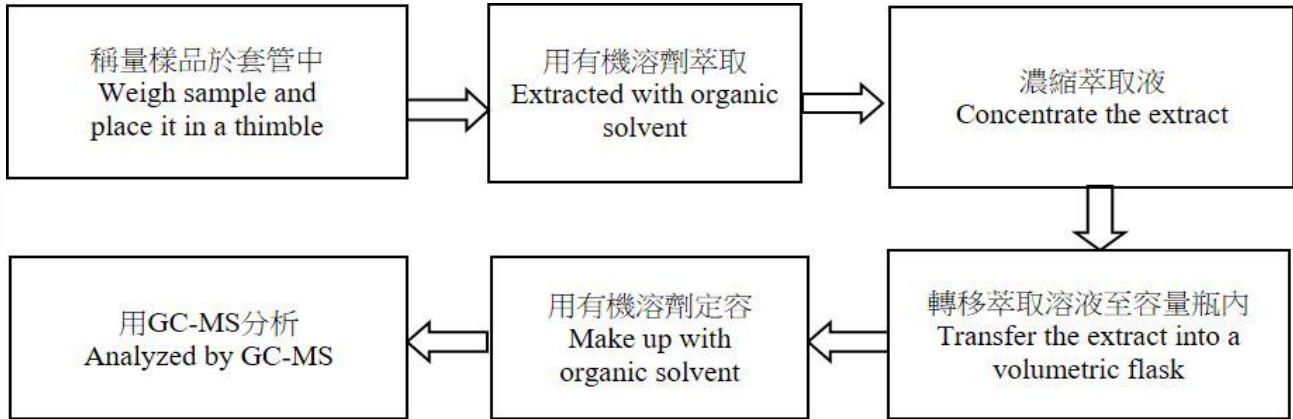
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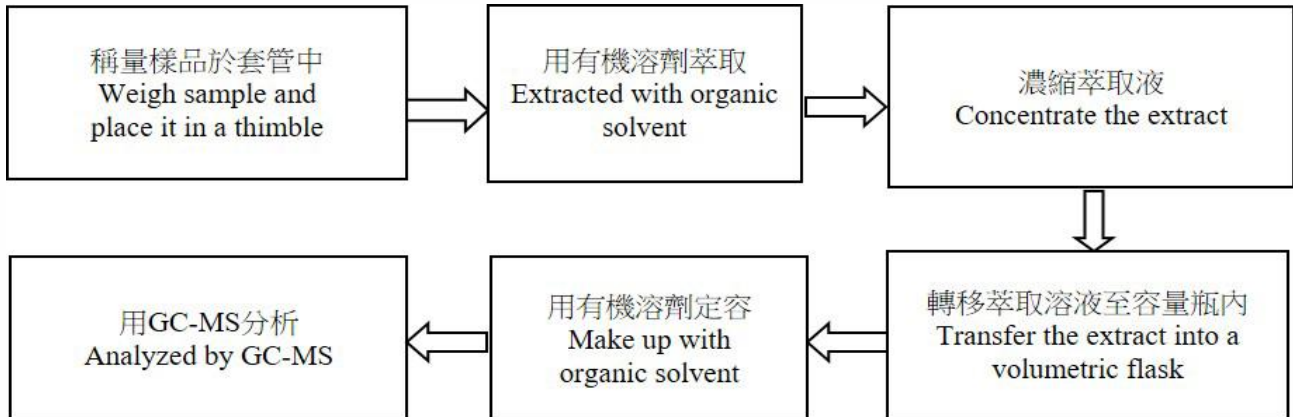
4. 多溴聯苯(PBBs), 多溴二苯醚(PBDEs)

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



5. 鄰苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates (DBP, BBP, DEHP, DIBP)



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樣品圖片 Photo(s) of the sample(s)



報告結束
*** End of report ***

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