



檢測報告 Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 1 頁 共 10 頁
Page 1 of 10

申請單位 致嘉科技股份有限公司
Applicant EXOJET TECHNOLOGY CORPORATION
地址 新竹市牛埔東路 386 號
Address NO.386, NIUPU E.RD., HSINCHU CITY, TAIWAN

以下測試之樣品及樣品信息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 Sample Name PASTE
樣品型號 Part No. TR-59 SERIES(TR-5932 SERIES,TR-5933 SERIES,TR-5934 SERIES,TR-5940 SERIES,TR-5960 SERIES)
樣品顏色 Color 灰色
供應商 Supplier 致嘉科技股份有限公司 EXOJET TECHNOLOGY CORPORATION
樣品接收日期 2019.12.23
Sample Received Date Dec. 23, 2019
樣品檢測日期 2019.12.23-2019.12.27
Testing Period Dec. 23, 2019 to Dec. 27, 2019

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), 鈹(Be), 銻(Sb), 砷(As), 六溴環十二烷(HBCDD), 氟(F), 氯(Cl), 溴(Br), 碘(I), 全氟辛烷磺酸(PFOS), 全氟辛烷酸(PFOA), 鄰苯二甲酸酯進行測試。

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), Beryllium (Be), Antimony (Sb), Arsenic(As), Hexabromocyclododecane (HBCDD), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA), Phthalates 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
Tested by

柯義政

審 核
Reviewed by

黃文昕

批 准
Approved by

馮智聰

日 期
Date

2020.01.02

馮智聰

實驗室經理 Laboratory Manager

No. R307382842

台灣華測檢測技術有限公司檢測中心

桃園市蘆竹區南崁路二段 9 號 5 樓之 6

Testing Center, Centre Testing International (Taiwan) Co., Ltd.

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

檢測報告

Test Report

 報告編號 A2190350678101002E
 Report No. A2190350678101002E

 第 2 頁 共 10 頁
 Page 2 of 10

檢測依據 Test Method

測試項目 Tested 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	IEC 62321-8:2017	GC-MS
鈹 Beryllium (Be)	參考 US EPA 3052:1996 & US EPA 6010D:2014 Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
銻 Antimony (Sb)	參考 US EPA 3052:1996 & US EPA 6010D:2014 Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
砷 Arsenic(As)	參考 US EPA 3052:1996 & US EPA 6010D:2014 Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
六溴環十二烷 (HBCDD) Hexabromocyclododecane (HBCDD)	IEC 62321-6:2015	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
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	參考 US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS/ LC-MS
全氟辛烷酸 Perfluorooctanoic Acid (PFOA)	參考 US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS/ LC-MS

檢測報告

Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 3 頁 共 10 頁
Page 3 of 10

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)		
一溴聯苯 Monobromodiphenyl	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)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromobiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromobiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromobiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromobiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromobiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromobiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromobiphenyl ether	N.D.	5 mg/kg

檢測報告

Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 4 頁 共 10 頁
Page 4 of 10

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
鄰苯二甲酸酯 Phthalates		
鄰苯二甲酸二正丁酯(DBP) Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
鄰苯二甲酸丁基苄酯(BBP) Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
鄰苯二甲酸二(2-乙基己基)酯(DEHP) Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg
鄰苯二甲酸二異丁酯(DIBP) 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
鈹 Beryllium (Be)	N.D.	10 mg/kg
銻 Antimony (Sb)	N.D.	10 mg/kg
砷 Arsenic (As)	N.D.	10 mg/kg
六溴環十二烷(HBCDD) Hexabromocyclododecane(HBCDD)	N.D.	5 mg/kg
全氟辛烷磺酸# Perfluorooctane Sulfonates (PFOS)	N.D.	5 mg/kg
全氟辛烷酸# Perfluorooctanoic Acid (PFOA)	N.D.	5 mg/kg

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
氟 Fluorine (F)	N.D.	10 mg/kg
氯 Chlorine (Cl)	N.D.	10 mg/kg
溴 Bromine (Br)	N.D.	10 mg/kg
碘 Iodine (I)	N.D.	10 mg/kg

檢測報告

Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 5 頁 共 10 頁
Page 5 of 10

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
鄰苯二甲酸酯 Phthalates		
鄰苯二甲酸二異壬酯(DINP) Diisononyl phthalate(DINP) CAS#:28553-12-0,68515-48-0	N.D.	50 mg/kg
鄰苯二甲酸二己酯(DNHP) Di-n-hexyl phthalate(DNHP) CAS#:84-75-3	N.D.	50 mg/kg
鄰苯二甲酸二異癸酯(DIDP) Diisodecyl phthalate(DIDP) CAS#:26761-40-0,68515-49-1	N.D.	50 mg/kg
鄰苯二甲酸二正辛酯(DNOP) Di-n-octyl phthalate(DNOP) CAS#:117-84-0	N.D.	50 mg/kg

樣品/部位描述 灰色膏物
Sample/Part Description Gray paste

備註: 對於檢測鉛, 鎘, 汞, 鉍, 銻, 砷之樣品已完全溶解。
-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, Beryllium, Antimony, Arsenic.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

注釋: “ # ” 表示此項目由上海華測品標檢測技術有限公司完成。

Note: “ # ” indicates the testing item(s) was (were) fulfilled by Centre Testing International Pinbiao (Shanghai) Co., Ltd.

檢測報告

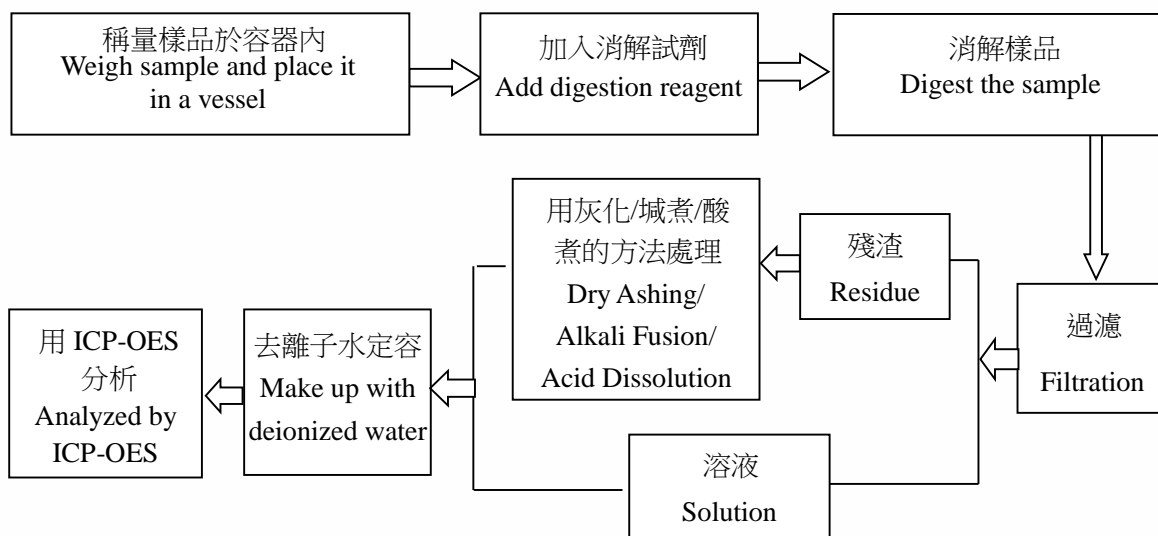
Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

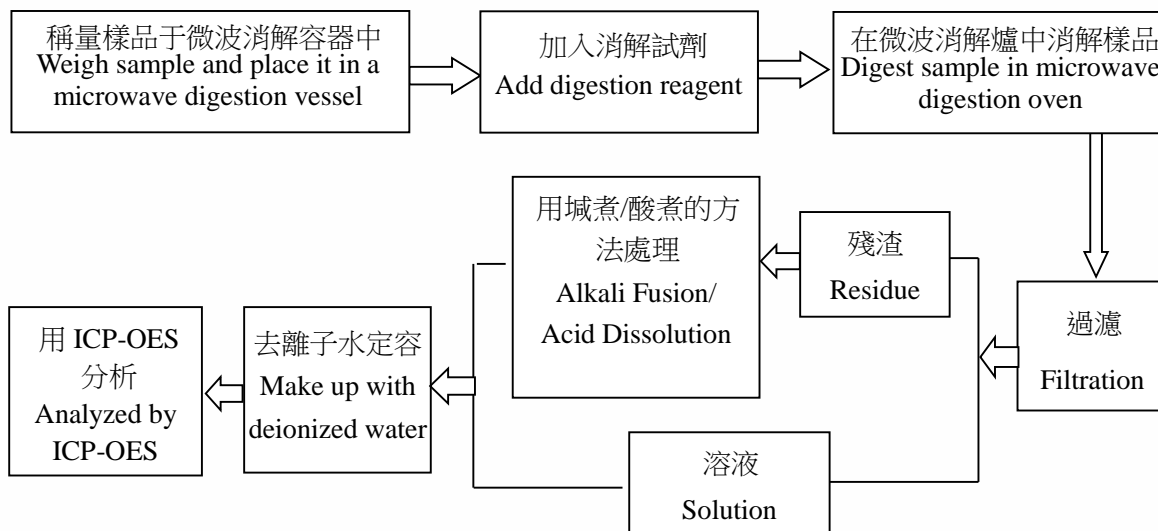
第 6 頁 共 10 頁
Page 6 of 10

檢測流程 Test Process

1. 鉛 Lead(Pb), 鎘 Cadmium(Cd)



2. 汞 Mercury(Hg)

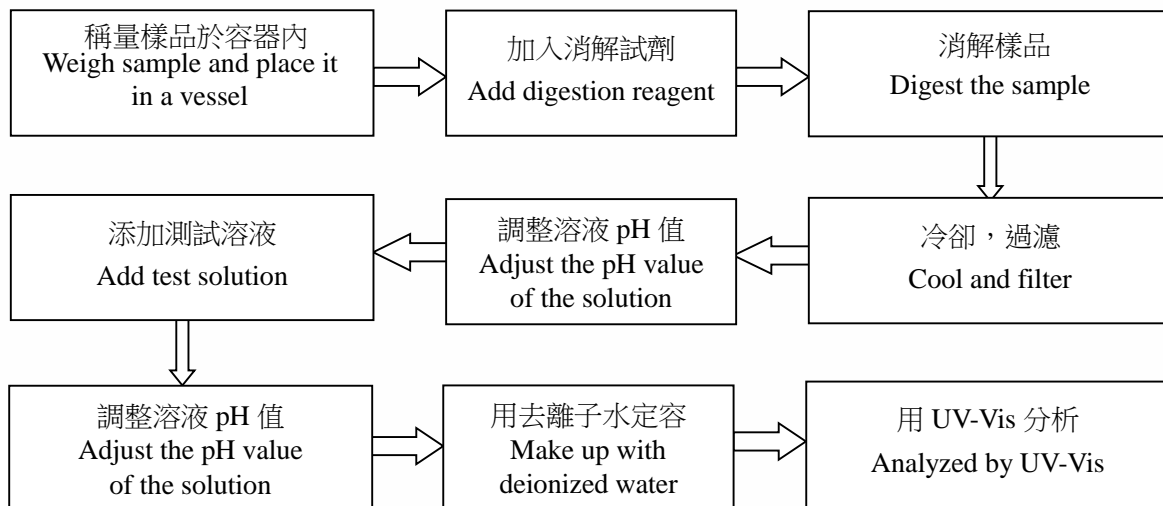


檢測報告 Test Report

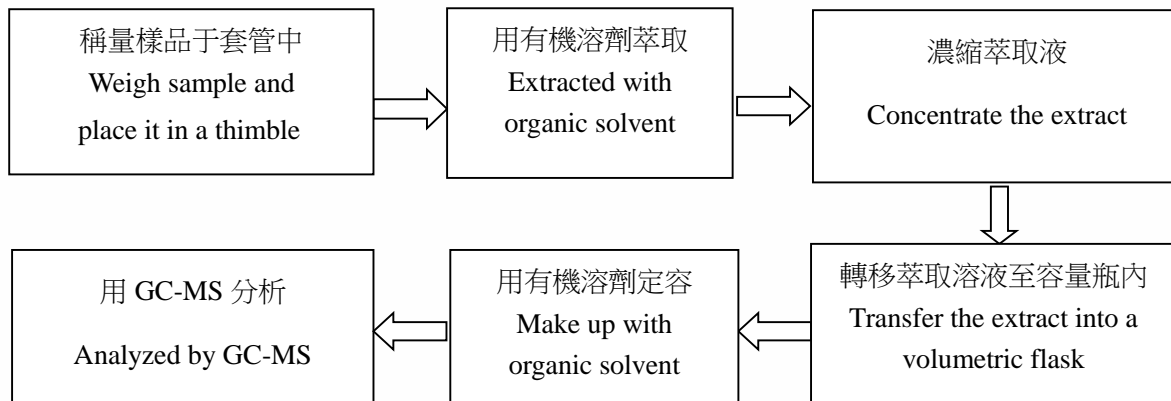
報告編號 A2190350678101002E
Report No. A2190350678101002E

第 7 頁 共 10 頁
Page 7 of 10

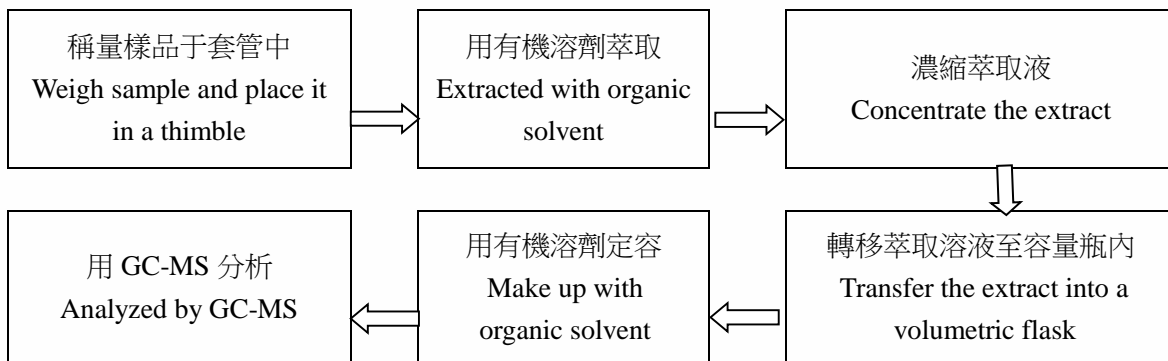
3. 六價鉻 Hexavalent Chromium(Cr(VI))



4. 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs), 多溴聯苯 Polybrominated Biphenyls (PBBs)



5. 鄰苯二甲酸酯 Phthalates

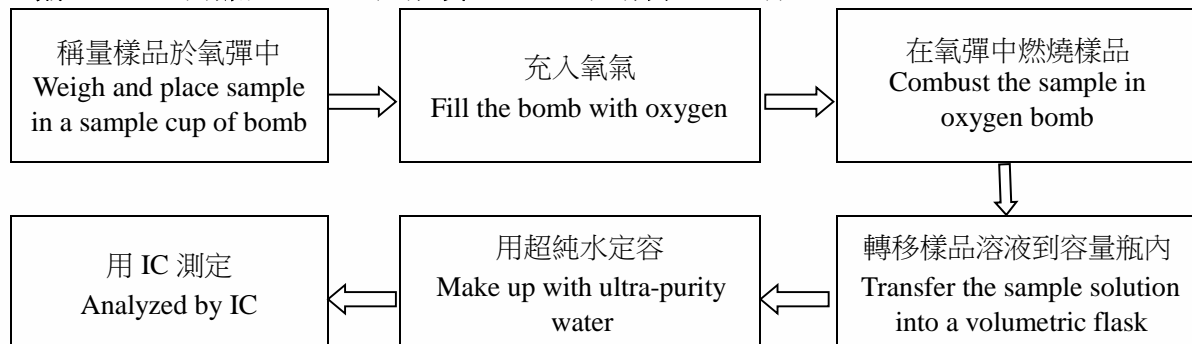


檢測報告 Test Report

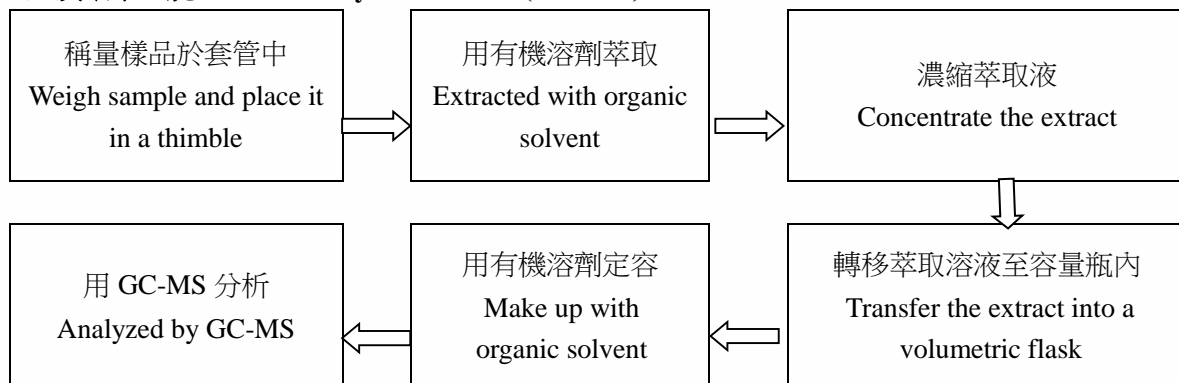
報告編號 A2190350678101002E
Report No. A2190350678101002E

第 8 頁 共 10 頁
Page 8 of 10

6. 氟 Fluorine (F), 氯 Chlorine (Cl), 溴 Bromine (Br), 碘 Iodine (I)

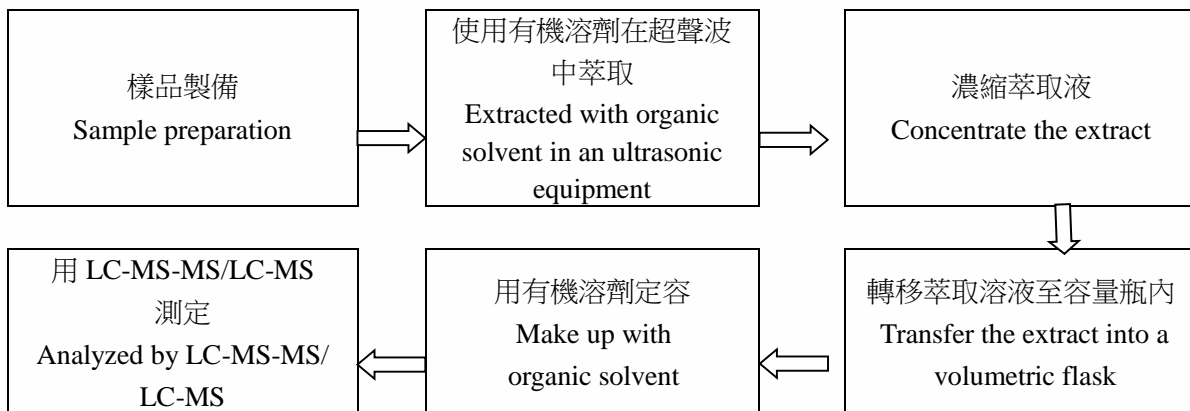


7. 六溴環十二烷 Hexabromocyclododecane (HBCDD)



8. 全氟辛烷磺酸(PFOS), 全氟辛烷酸(PFOA)

Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA)



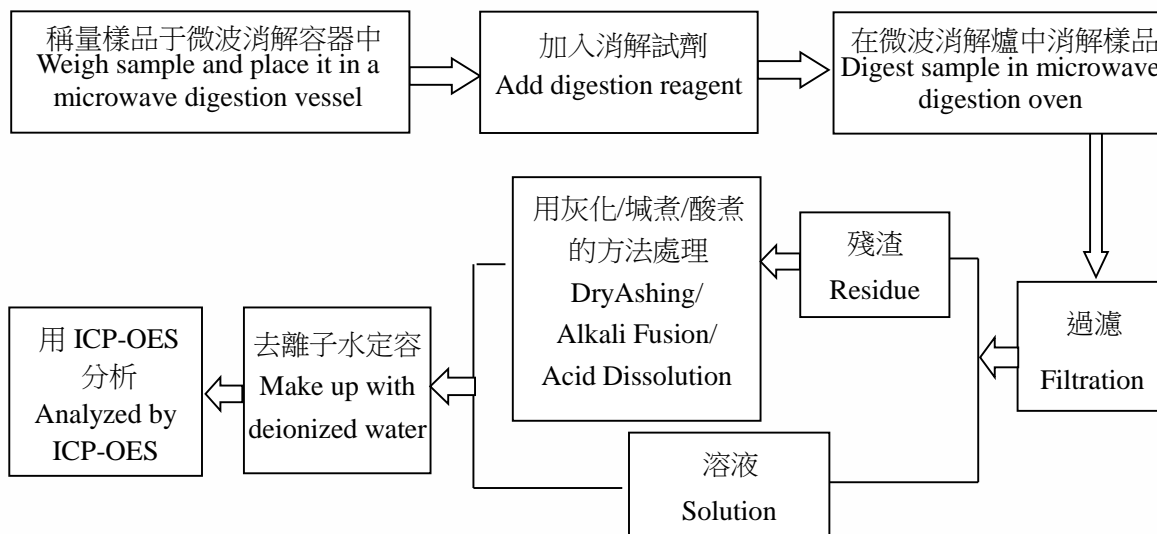
檢測報告

Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 9 頁 共 10 頁
Page 9 of 10

9. 鈹 Beryllium (Be), 銻 Antimony (Sb), 砷 Arsenic (As)



檢測報告 Test Report

報告編號 A2190350678101002E
Report No. A2190350678101002E

第 10 頁 共 10 頁
Page 10 of 10

樣品圖片

Photo(s) of the sample(s)



*** 報告結束 ***

*** End of Report ***

聲明 Statement :

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