

檢測報告 Test Report

報告編號 A2180042105139002E
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申請單位 汎翊國際有限公司
Applicant FLYING INTERNATIONAL CO.,LTD.
地 址 24251 新北市新莊區中央路 226 號 19 樓(C 棟)
Address 19F., NO.226, ZHONGYANG RD., XINZHUANG DIST.,NEW TAIPEI CITY 242, TAIWAN (R.O.C.)

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 電池塑膠件 F Series
客戶參考信息 Client 請參見第 8-9 頁 Please refer to page 8-9
Reference Information
樣品接收日期 2018.04.16
Sample Received Date Apr. 16, 2018
樣品檢測日期 2018.04.16-2018.04.20
Testing Period Apr. 16, 2018 to Apr. 20, 2018
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).

檢測依據和檢測結果：請參見下頁

Test Method & Test Result : Please refer to following pages.

主 檢
Tested by

張孝瑜

審 核
Reviewed by

顧翠麗

批 准
Approved by

蘇紅偉

日 期
Date

2018.04.20

蘇紅偉
實驗室高級經理 Senior Laboratory Manager



上海華測品標檢測技術有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.
檢驗檢測專用章
Inspection & Testing Services

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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
鉛(Pb) Lead (Pb)	IEC 62321-5:2013	ICP-OES
鎘(Cd) Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞(Hg) Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六價鉻(Cr(VI)) Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 和/或 IEC 62321-5:2013 測試總鉻含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴聯苯(PBBs) Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
鄰苯二甲酸酯(DBP, BBP, DEHP, DIBP) Phthalates(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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檢測結果 Test Result

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
鉛 Lead (Pb)	N.D.	2mg/kg
鎘 Cadmium (Cd)	N.D.	2mg/kg
汞 Mercury (Hg)	N.D.	2mg/kg
六價鉻 Hexavalent Chromium (Cr(VI))	N.D.	8mg/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.	5mg/kg
二溴聯苯 Dibromobiphenyl	N.D.	5mg/kg
三溴聯苯 Tribromobiphenyl	N.D.	5mg/kg
四溴聯苯 Tetrabromobiphenyl	N.D.	5mg/kg
五溴聯苯 Pentabromobiphenyl	N.D.	5mg/kg
六溴聯苯 Hexabromobiphenyl	N.D.	5mg/kg
七溴聯苯 Heptabromobiphenyl	N.D.	5mg/kg
八溴聯苯 Octabromobiphenyl	N.D.	5mg/kg
九溴聯苯 Nonabromobiphenyl	N.D.	5mg/kg
十溴聯苯 Decabromobiphenyl	N.D.	5mg/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.	5mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	5mg/kg
三溴二苯醚 Tribromobiphenyl ether	N.D.	5mg/kg
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	5mg/kg
五溴二苯醚 Pentabromobiphenyl ether	N.D.	5mg/kg
六溴二苯醚 Hexabromobiphenyl ether	N.D.	5mg/kg
七溴二苯醚 Heptabromobiphenyl ether	N.D.	5mg/kg
八溴二苯醚 Octabromobiphenyl ether	N.D.	5mg/kg
九溴二苯醚 Nonabromobiphenyl ether	N.D.	5mg/kg
十溴二苯醚 Decabromobiphenyl ether	N.D.	5mg/kg

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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

測試樣品/部位描述 混測,黑色,灰色,棕色塑膠
Tested Sample/Part Description Mixed test, black, brown plastic

備註: 對於檢測鉛, 鎘, 汞之樣品已完全溶解。
根據客戶要求, 對樣品進行混合測試, 測試結果不代表混合測試樣品中任何一種單一材質的含量。
-N.D. = 未檢出 (小於方法檢出限)
-mg/kg = ppm = 百萬分之一

Remark: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

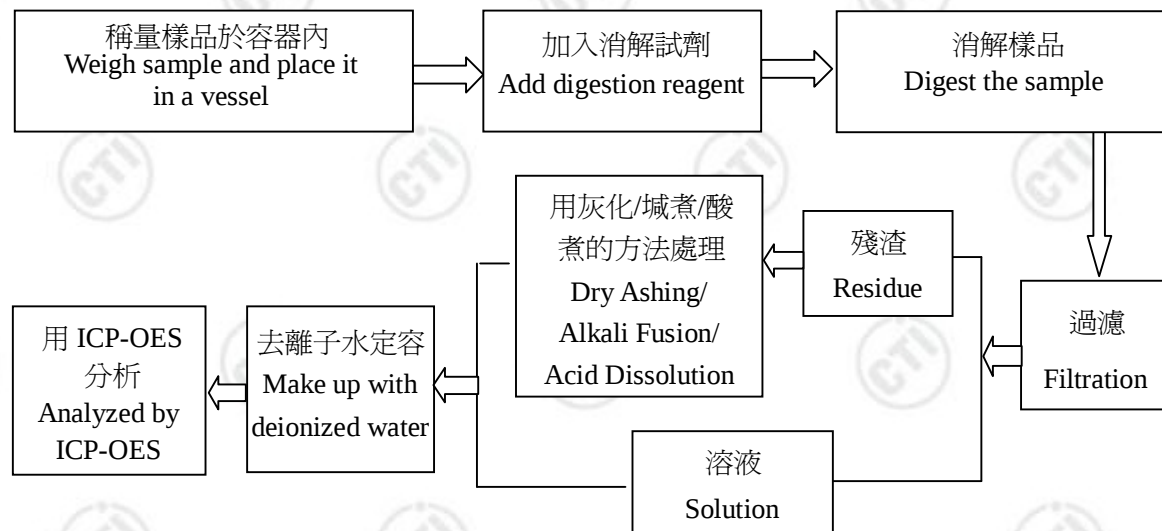
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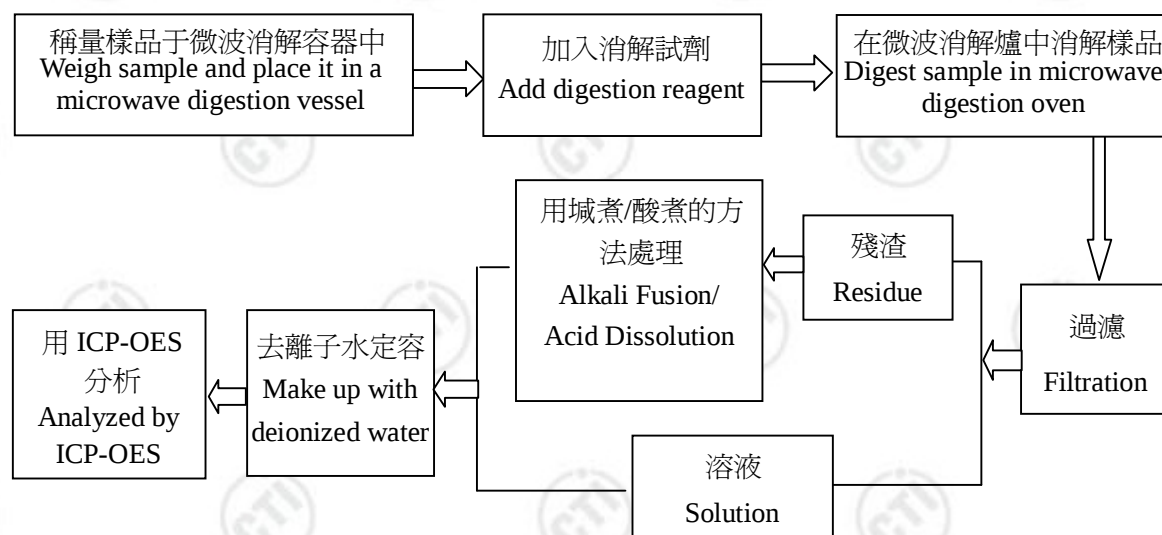
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檢測流程 Test Process

1. 鉛(Pb), 鎘(Cd), 鉻(Cr) Lead(Pb), Cadmium(Cd), Chromium(Cr)



2. 汞(Hg) Mercury (Hg)



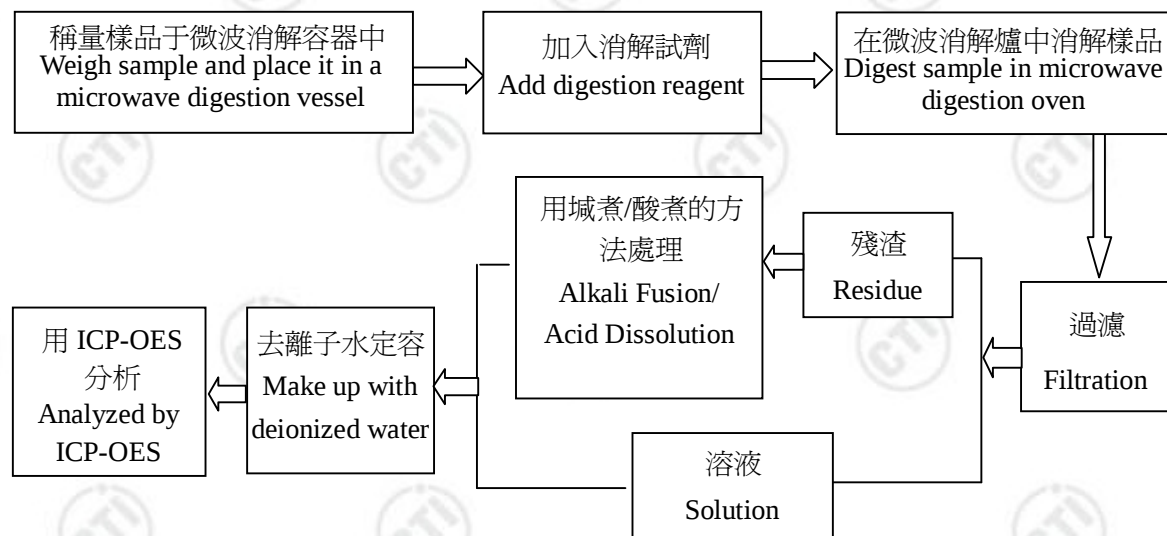
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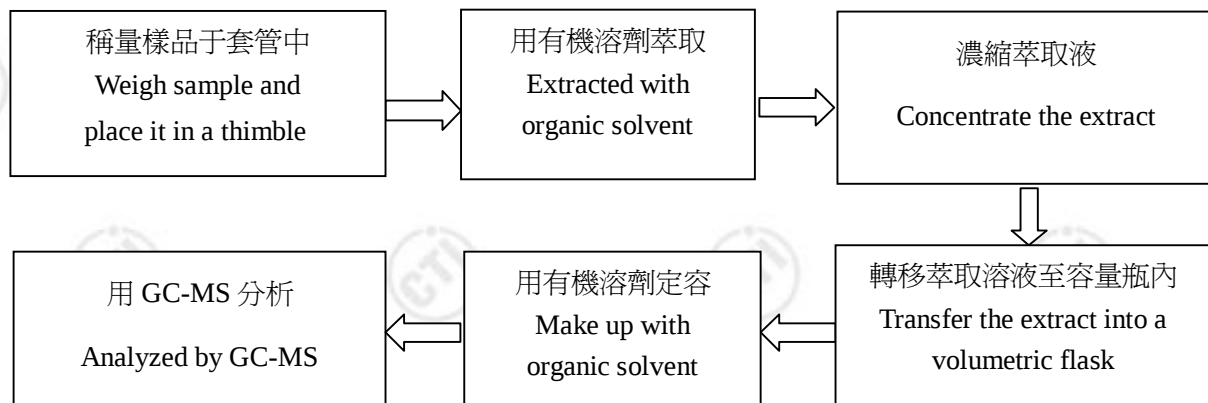
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3. 六價鉻(Cr(VI)) Hexavalent Chromium (Cr(VI))



4. 多溴聯苯(PBBs)，多溴二苯醚(PBDEs)

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

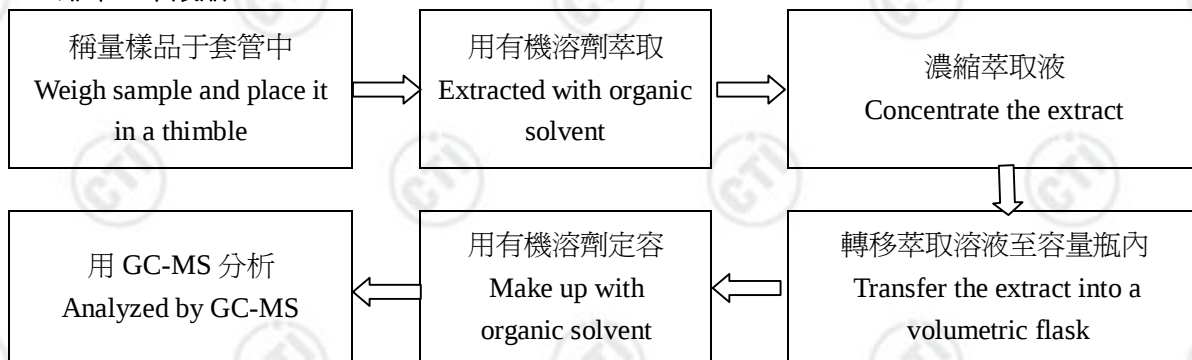


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5. 鄰苯二甲酸酯 Phthalates



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客戶參考信息 Client Reference Information

F-01-A1AK001
F-02-A1AK001
F-03-A1AJ001
F-03-A1AJ002
F-03-A1AJ005
F-04-A1AK001
F-04-A1AK002
F-05-A1BJ001
F-05-A1AK002
F-05-A1AK003
F-05-A1AK004
F-06-B4AK001
F-06-B4AA002
F-06-A4AK003
F-06-A4AK004
F-06-B4AK005
F-06-B4AA015
F-07-A1AK001
F-08-A1AK023
F-08-B2AA001
F-08-B2AA002
F-08-B2BA004
F-08-B2AA005
F-08-B2AA008
F-08-B2AA016
F-08-B2AA025
F-09-A2BA002
F-09-B2BA001
F-10-B3AA010
F-12-A1AM002-F
F-12-A1AM002-Z
F-12-B2AA002
F-12-B3AA003
F-12-B3AA008
F-12-B4AA002

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F-16-A1AM002
F-16-B4AK003
F-23-A1AK001
F-24-A1AJ009
F-24-A1AJ008
F-24-A1AJ004
F-24-A1AJ005
F-24-B4AA006
F-24-B1BK007
F-24-A1AJ001
F-24-A1BK002
F-2016-B2AA001
FCCH-20012

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樣品圖片 Photo(s) of the sample(s)



*** 報告結束 ***

***End of report ***

聲明 Statement:

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