

## 測試報告 Test Report

號碼(No.) : CE/2008/64725      日期(Date) : 2008/06/30      頁數(Page) : 1 of 8

POLYONICS  
867 ROUTE 12 UNIT 4  
WESTMORELAND, NH 03467-4740  
U. S. A.  
TEL: 603 352 1415    FAX: 603 352 1936



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下 (The following samples was/were submitted and identified by/on behalf of the client as) :

樣品名稱(Sample Description) : POLYONICS HIGH TEMPERATURE LABEL MATERIAL  
樣品型號(Style/Item No.) : XF-504, XF-505, XF-524, XF-581, XF-582, XF-583, XF-584, XF-587, XF-781, XF-782  
收件日期(Sample Receiving Date) : 2008/06/17  
測試期間(Testing Period) : 2008/06/17 TO 2008/06/30

=====  
測試結果(Test Results) : 請見下一頁 (Please refer to next pages).

Chenyu Kung / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory – Taipei

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## 測試結果(Test Results)

測試部位(PART NAME) NO.1 : 混測所有標籤 (不含離型紙)-10款 (MIXED ALL PARTS OF LABEL (EXCLUDING THE RELEASE PAPER)-10 SAMPLES)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
鎘 / Cadmium (Cd)	mg/kg	參考IEC 62321/2nd CDV (111/95/CDV) 方法, 用感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測鎘含量. / With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Cadmium by ICP-AES.	2	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321/2nd CDV (111/95/CDV) 方法, 用感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測鉛含量. / With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Lead by ICP-AES.	2	n.d.
汞 / Mercury (Hg)	mg/kg	參考IEC 62321/2nd CDV (111/95/CDV) 方法, 用感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測汞含量. / With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Mercury by ICP-AES.	2	n.d.
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	針對非金屬材質之樣品, 參考IEC 62321/2nd CDV (111/95/CDV) 方法檢測, 用UV-VIS檢測六價鉻含量. / With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Hexavalent Chromium for non-metallic samples by UV-Vis Spectrometry.	2	n.d.

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
鹵素 / Halogen	---	參考BS EN 14582:2007, 以離子層析儀分析氟, 氯, 溴, 碘含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for F, Cl, Br, I content.	---	---
鹵素 (氟) / Halogen-Fluorine (F) (CAS No.: 014762-94-8)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析氟含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Fluorine content.	50	n.d.
鹵素 (氯) / Halogen-Chlorine (Cl) (CAS No.: 022537-15-1)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析氯含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Chlorine content.	50	n.d.
鹵素 (溴) / Halogen-Bromine (Br) (CAS No.: 010097-32-2)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析溴含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Bromine content.	50	n.d.
鹵素 (碘) / Halogen-Iodine (I) (CAS No.: 014362-44-8)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析碘含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Iodine content.	50	n.d.

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
多溴聯苯總和 / Sum of PBBs	mg/kg	參考 IEC 62321/2nd CDV (111/95/CDV) 方法, 以氣相層析儀/質譜儀檢測多溴聯苯和多溴聯苯醚含量. / With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of PBB and PBDE by GC/MS.	-	n.d.
一溴聯苯 / Monobromobiphenyl			5	n.d.
二溴聯苯 / Dibromobiphenyl			5	n.d.
三溴聯苯 / Tribromobiphenyl			5	n.d.
四溴聯苯 / Tetrabromobiphenyl			5	n.d.
五溴聯苯 / Pentabromobiphenyl			5	n.d.
六溴聯苯 / Hexabromobiphenyl			5	n.d.
七溴聯苯 / Heptabromobiphenyl			5	n.d.
八溴聯苯 / Octabromobiphenyl			5	n.d.
九溴聯苯 / Nonabromobiphenyl			5	n.d.
十溴聯苯 / Decabromobiphenyl			5	n.d.
多溴聯苯醚總和 (一至九溴) / Sum of PBDEs (Mono to Nona)			-	n.d.
一溴聯苯醚 / Monobromodiphenyl ether			5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether			5	n.d.
三溴聯苯醚 / Tribromodiphenyl ether			5	n.d.
四溴聯苯醚 / Tetrabromodiphenyl ether			5	n.d.
五溴聯苯醚 / Pentabromodiphenyl ether			5	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether			5	n.d.
七溴聯苯醚 / Heptabromodiphenyl ether			5	n.d.
八溴聯苯醚 / Octabromodiphenyl ether			5	n.d.
九溴聯苯醚 / Nonabromodiphenyl ether			5	n.d.
十溴聯苯醚 / Decabromodiphenyl ether			5	n.d.
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)			-	n.d.

### 備註(Note) :

1. mg/kg = ppm
2. n.d. = Not Detected (未檢出)
3. MDL = Method Detection Limit (方法偵測極限值)
4. "-" = Not Regulated (無規格值)
5. "---" = Not Conducted (未測項目)
6. 樣品的測試是基於申請人要求混合測試, 報告中的混合測試結果不代表其中個別單一材質的含量.  
(The samples was/were analyzed on behalf of the applicant as mixing sample in one testing.  
The above results was/were only given as the informality value)

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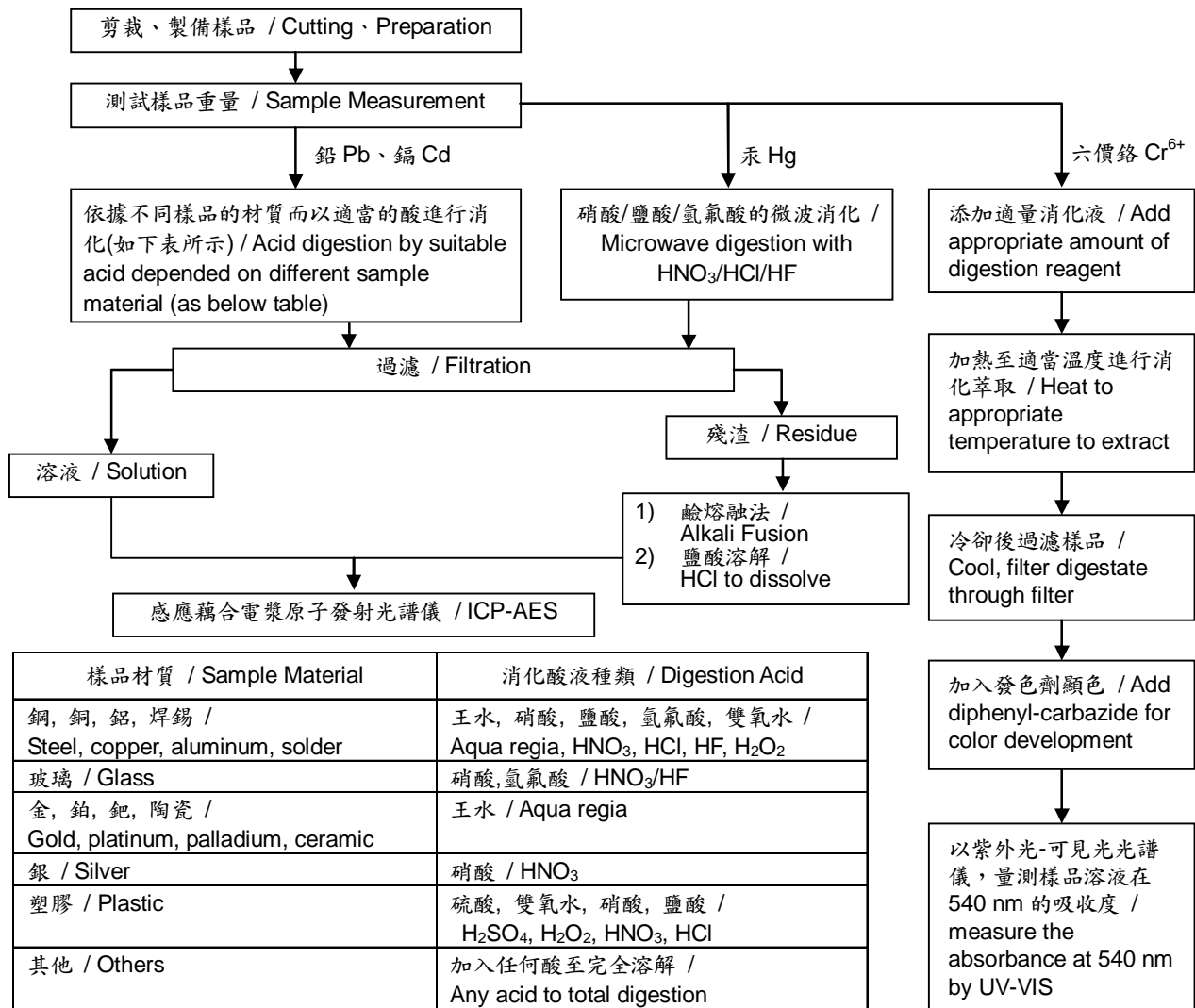
WESTMORELAND, NH 03467-4740

U. S. A.

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- 1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)
- 2) 測試人員：楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 3) 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang



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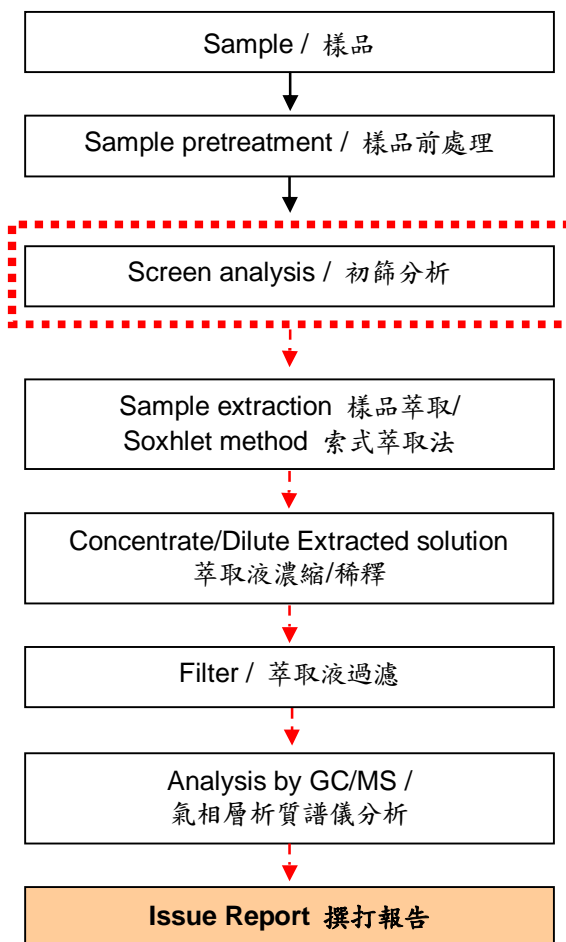
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### 多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 1) 測試人員：翁賜彬 / Name of the person who made measurement: Roman Wong
- 2) 測試負責人：陳新智 / Name of the person in charge of measurement: Shinjyh Chen

初次測試程序 / First testing process    **—————>**  
 選擇性篩檢程序 / Optional screen process    **.....**  
 確認程序 / Confirmation process    **- - - ->**



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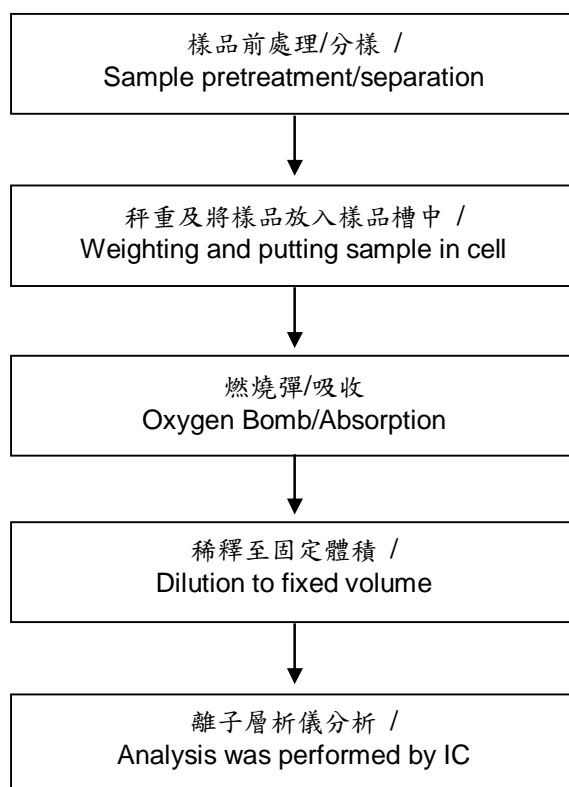
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### 鹵素分析流程圖 / Analytical flow chart of halogen content

- 1) 測試人員：藍雅婷 / Name of the person who made measurement: Tin Lan
- 2) 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang



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