

## 測試報告

號碼：CE/2011/67424

日期：2011/07/01

頁數：1 of 5

哲羽工業有限公司

臺中市潭子區中山路三段367號



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：

樣品名稱：PP折疊風管  
收件日期：2011/06/27  
測試期間：2011/06/27 TO 2011/07/01

=====  
測試需求：參照 RoHS 2002/95/EC 及其修定指令要求。

測試方法：參考 IEC 62321: 2008 方法檢測。  
(1) 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測鎘含量。  
(2) 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測鉛含量。  
(3) 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測汞含量。  
(4) 以UV-VIS檢測六價鉻含量。  
(5) 以氣相層析儀/質譜儀(GC/MS)檢測多溴聯苯和多溴聯苯醚含量。

測試結果：請見下一頁。

結論：根據客戶所提供樣品的測試結果，符合RoHS(2002/95/EC)及其修定指令之要求。

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

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測試結果 (單位: mg/kg)

測試項目	測試方法 (請參考)	結果	方法偵測 極限值	RoHS 限值
		No.1		
鎘	(1)	n.d.	2	100
鉛	(2)	65	2	1000
汞	(3)	n.d.	2	1000
六價鉻 (Alkaline extraction)	(4)	n.d.	2	1000
多溴聯苯總和	(5)	n.d.	-	1000
一溴聯苯		n.d.	5	-
二溴聯苯		n.d.	5	-
三溴聯苯		n.d.	5	-
四溴聯苯		n.d.	5	-
五溴聯苯		n.d.	5	-
六溴聯苯		n.d.	5	-
七溴聯苯		n.d.	5	-
八溴聯苯		n.d.	5	-
九溴聯苯		n.d.	5	-
十溴聯苯		n.d.	5	-
多溴聯苯醚總和		n.d.	-	1000
一溴聯苯醚		n.d.	5	-
二溴聯苯醚		n.d.	5	-
三溴聯苯醚		n.d.	5	-
四溴聯苯醚		n.d.	5	-
五溴聯苯醚		n.d.	5	-
六溴聯苯醚		n.d.	5	-
七溴聯苯醚		n.d.	5	-
八溴聯苯醚		n.d.	5	-
九溴聯苯醚	n.d.	5	-	
十溴聯苯醚	n.d.	5	-	

### 測試部位描述:

No.1 : 米色塑膠

備註: 1. mg/kg = ppm; 0.1wt% = 1000ppm

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)

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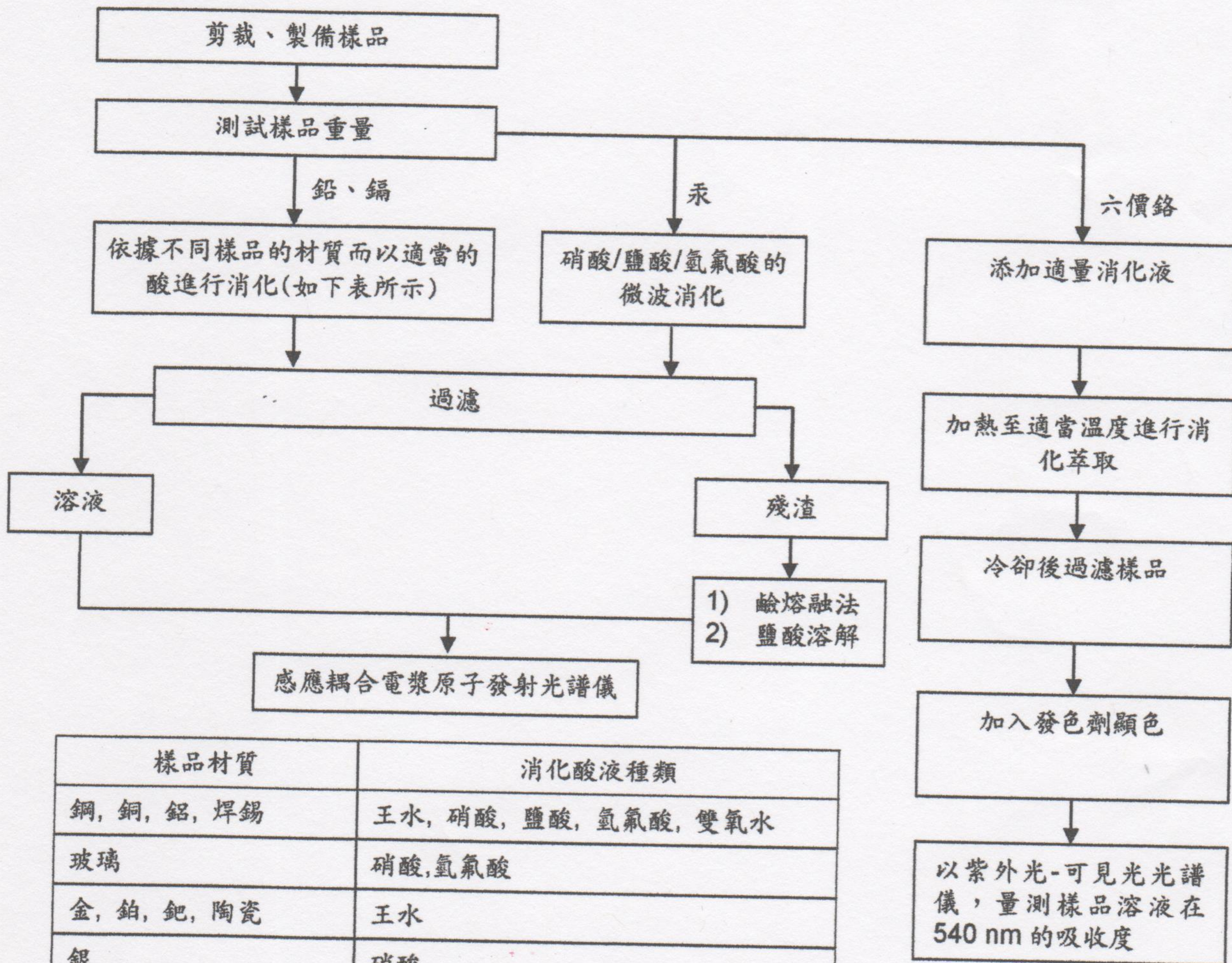
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臺中市潭子區中山路三段367號



- 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)
- 2) 測試人員：楊登偉
- 3) 測試負責人：張啓興



樣品材質	消化酸液種類
鋼, 銅, 鋁, 焊錫	王水, 硝酸, 鹽酸, 氫氟酸, 雙氧水
玻璃	硝酸, 氫氟酸
金, 鉑, 鈀, 陶瓷	王水
銀	硝酸
塑膠	硫酸, 雙氧水, 硝酸, 鹽酸
其他	加入任何酸至完全溶解

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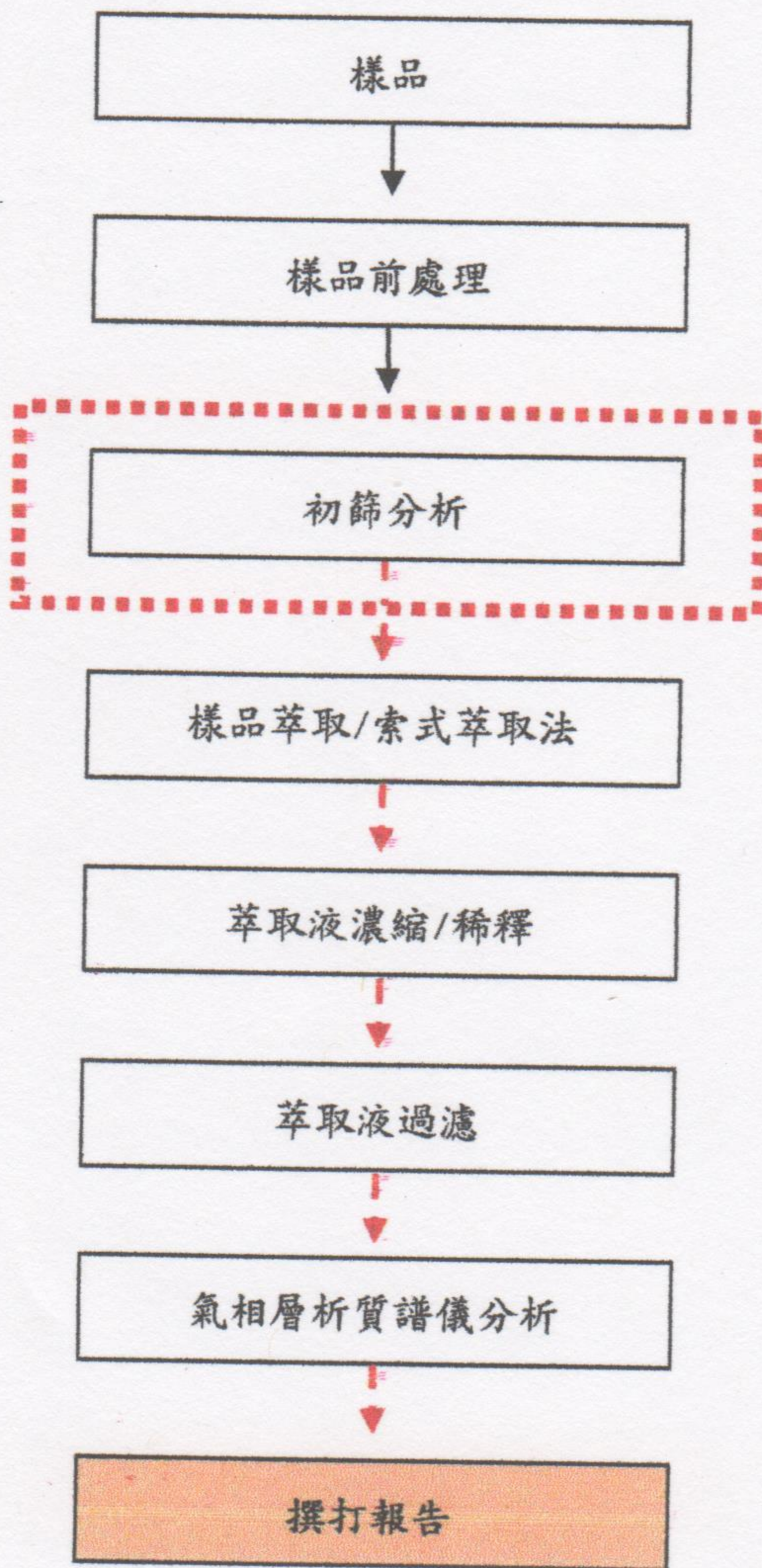
### 多溴聯苯/多溴聯苯醚分析流程圖

初次測試程序 →

選擇性篩檢程序 ·····

確認程序 - - - - -

- 1) 測試人員：翁賜彬
- 2) 測試負責人：張啓興

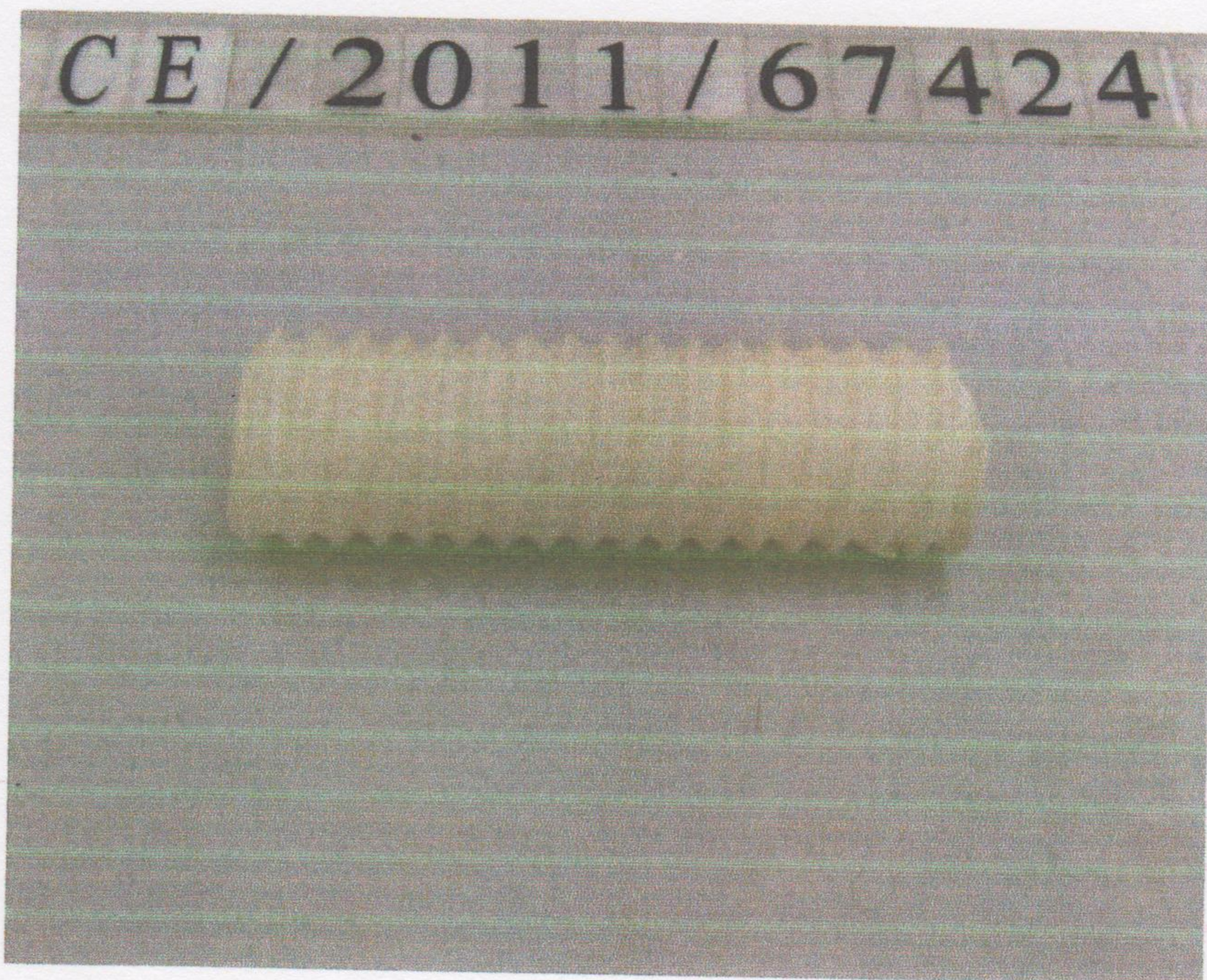


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\*\* 報告結尾 \*\*

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