

## 測試報告

號碼：KE/2013/11044A-01

日期：2013/01/16

頁數：1 of 6

台灣塑膠工業股份有限公司  
台北市敦化北路201號8樓

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：台塑鋼  
樣品型號：FM130  
樣品材質：聚甲醛  
樣品顏色：白色  
收件日期：2013/01/11  
測試期間：2013/01/11 TO 2013/01/16  
送樣廠商：台灣塑膠工業股份有限公司

=====  
測試需求：依據客戶指定，進行鎘，鉛，汞，六價鉻，多溴聯苯，多溴聯苯醚測試。  
測試方法：參考IEC 62321: 2008方法。  
測試結果：請見下一頁。  
結論：根據客戶所提供的樣品，其鎘，鉛，汞，六價鉻，多溴聯苯，多溴聯苯醚的測試結果符合RoHS指令2002/95/EC的更新指令2011/65/EU之要求。

  
Ray Chang / Asst. Manager  
Signed for and on behalf of  
SGS Taiwan Limited



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## 測試結果

測試部位 No.1 : 白色聚甲醛

測試項目	單位	測試方法	方法偵測 極限值	結果	法規 限值
				No.1	
鎘	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測。	2	n.d.	100
鉛	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測。	2	n.d.	1000
汞	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測。	2	n.d.	1000
六價鉻	mg/kg	參考IEC 62321: 2008方法, 以UV-VIS檢測。	2	n.d.	1000
<b>多溴聯苯總和</b>	mg/kg	參考IEC 62321: 2008方法, 以氣相層析/質譜儀(GC/MS)檢測。	-	n.d.	1000
一溴聯苯	mg/kg		5	n.d.	-
二溴聯苯	mg/kg		5	n.d.	-
三溴聯苯	mg/kg		5	n.d.	-
四溴聯苯	mg/kg		5	n.d.	-
五溴聯苯	mg/kg		5	n.d.	-
六溴聯苯	mg/kg		5	n.d.	-
七溴聯苯	mg/kg		5	n.d.	-
八溴聯苯	mg/kg		5	n.d.	-
九溴聯苯	mg/kg		5	n.d.	-
十溴聯苯	mg/kg		5	n.d.	-
<b>多溴聯苯醚總和</b>	mg/kg		-	n.d.	1000
一溴聯苯醚	mg/kg		5	n.d.	-
二溴聯苯醚	mg/kg		5	n.d.	-
三溴聯苯醚	mg/kg		5	n.d.	-
四溴聯苯醚	mg/kg		5	n.d.	-
五溴聯苯醚	mg/kg		5	n.d.	-
六溴聯苯醚	mg/kg		5	n.d.	-
七溴聯苯醚	mg/kg		5	n.d.	-
八溴聯苯醚	mg/kg		5	n.d.	-
九溴聯苯醚	mg/kg	5	n.d.	-	
十溴聯苯醚	mg/kg	5	n.d.	-	

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### 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
5. 此為2013/01/16所發行KE/2013/11044之加發報告，原始資料請參考KE/2013/11044.

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## 測試報告

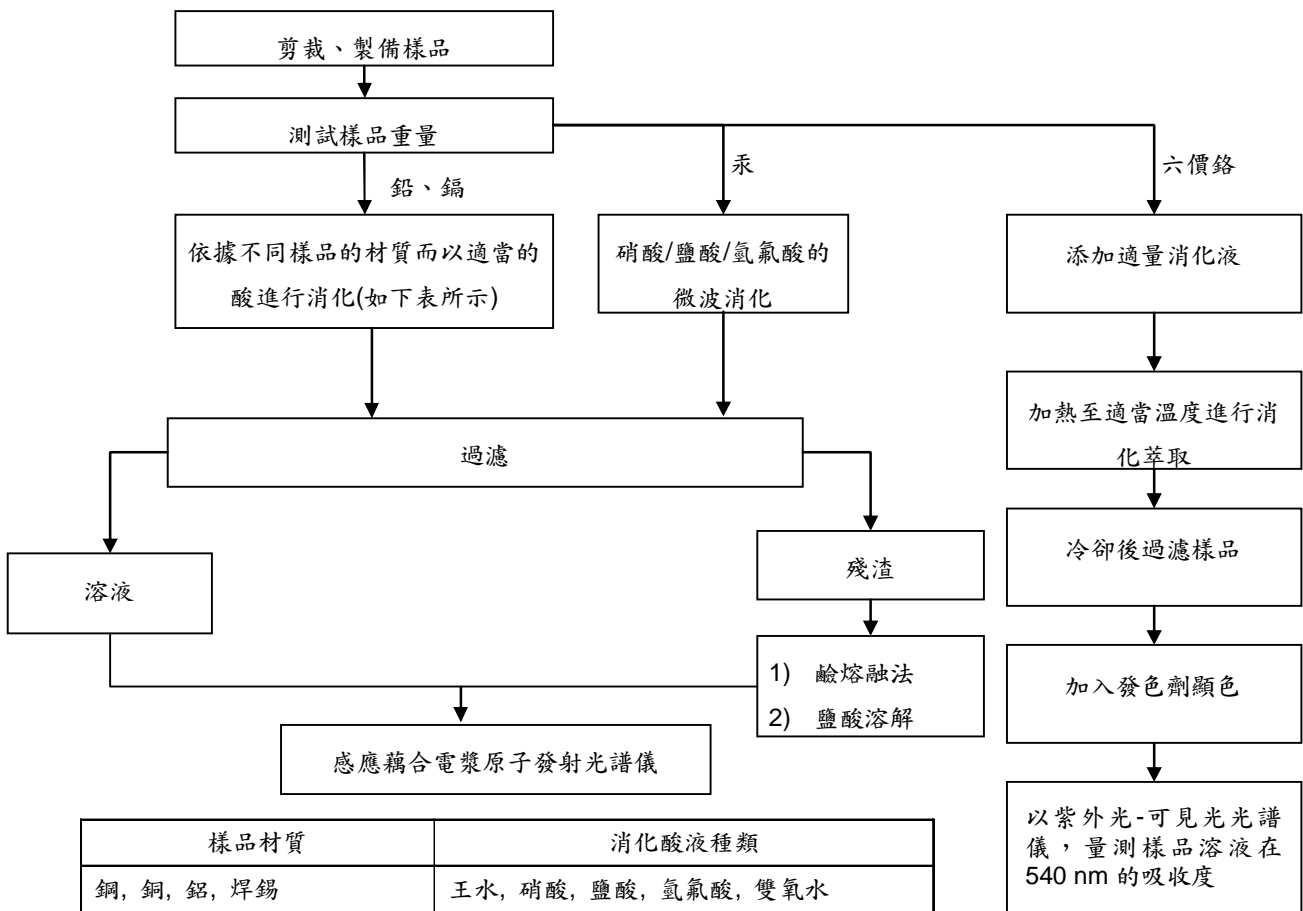
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台北市敦化北路201號8樓

- 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：張俊雄
- 3) 測試負責人：張伯睿



樣品材質	消化酸液種類
銅, 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

**Note\*\*:** (1) 針對非金屬材料加入鹼性消化液，加熱至 90~95°C 萃取。  
(2) 針對金屬材料加入純水，加熱至沸騰萃取。

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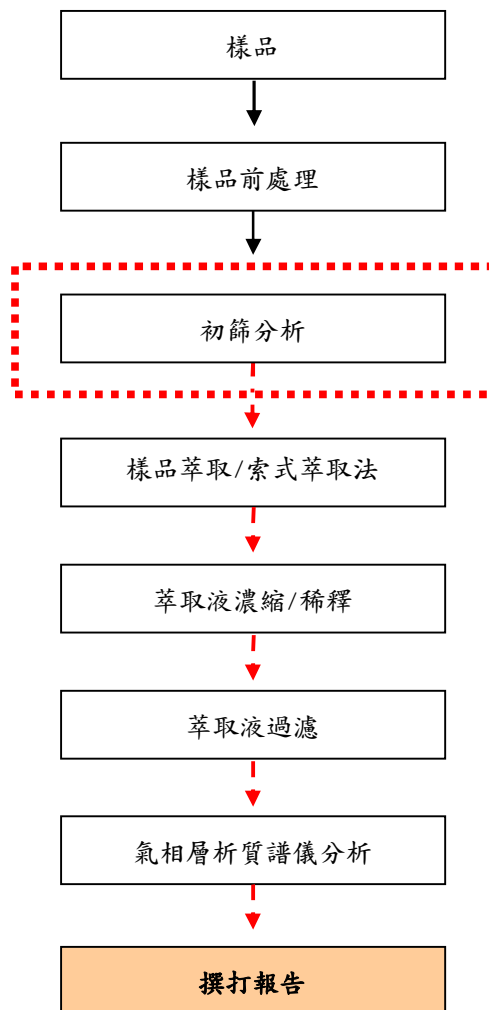
### 多溴聯苯/多溴聯苯 分析流程圖

初次測試程序 →

選擇性篩檢程序 ·····

確認程序 - - - - -

- 測試人員：曹嘉琪
- 測試負責人：張伯睿



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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 \*

## KE/2013/11044



\*\* 報告結尾 \*\*

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