

測試報告

號碼：CE/2016/25399A

日期：2016/03/07

頁數：1 of 7

中台興化學工業股份有限公司
新竹市牛埔南路105號



以下測試樣品係由申請廠商所提供及確認：

送樣廠商：中台興化學工業股份有限公司
樣品名稱：恐龍漆必艷噴漆-平光黑
樣品型號：PP109A
收件日期：2016/02/26
測試期間：2016/02/26 TO 2016/03/07

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測試需求：(1) 依據客戶指定，參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚，DBP, BBP, DEHP, DIBP.

(2) 其他測試項目請見下一頁。

測試結果：請見下一頁。


Edison Chang / Sr. Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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測試結果

測試部位 No. 1 : 黑色液體

測試項目	單位	測試方法	方法偵測	結果
			極限值	No. 1
鎘	mg/kg	參考IEC 62321-5: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n. d.
鉛	mg/kg	參考IEC 62321-5: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n. d.
汞	mg/kg	參考IEC 62321-4: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n. d.
六價鉻	mg/kg	參考IEC 62321: 2008方法, 以UV-VIS檢測.	2	n. d.
多溴聯苯總和	mg/kg	參考IEC 62321-6: 2015方法, 以氣相層析/質譜儀(GC/MS)檢測.	-	n. d.
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.
多溴聯苯醚總和	mg/kg		-	n. d.
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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測試項目	單位	測試方法	方法偵測 極限值	結果
				No. 1
鄰苯二甲酸丁苯甲酯 (BBP) (CAS No. : 85-68-7)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二丁酯 (DBP) (CAS No. : 84-74-2)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (CAS No. : 117-81-7)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二異丁酯 (DIBP) (CAS No. : 84-69-5)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二異癸酯 (DIDP) (CAS No. : 26761-40-0; 68515-49-1)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二異壬酯 (DINP) (CAS No. : 28553-12-0; 68515-48-0)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.
鄰苯二甲酸二正辛酯 (DNOP) (CAS No. : 117-84-0)	mg/kg	參考IEC 62321-8 (111/321/CD)，以氣相層析儀/質譜儀(GC/MS)檢測。	50	n. d.

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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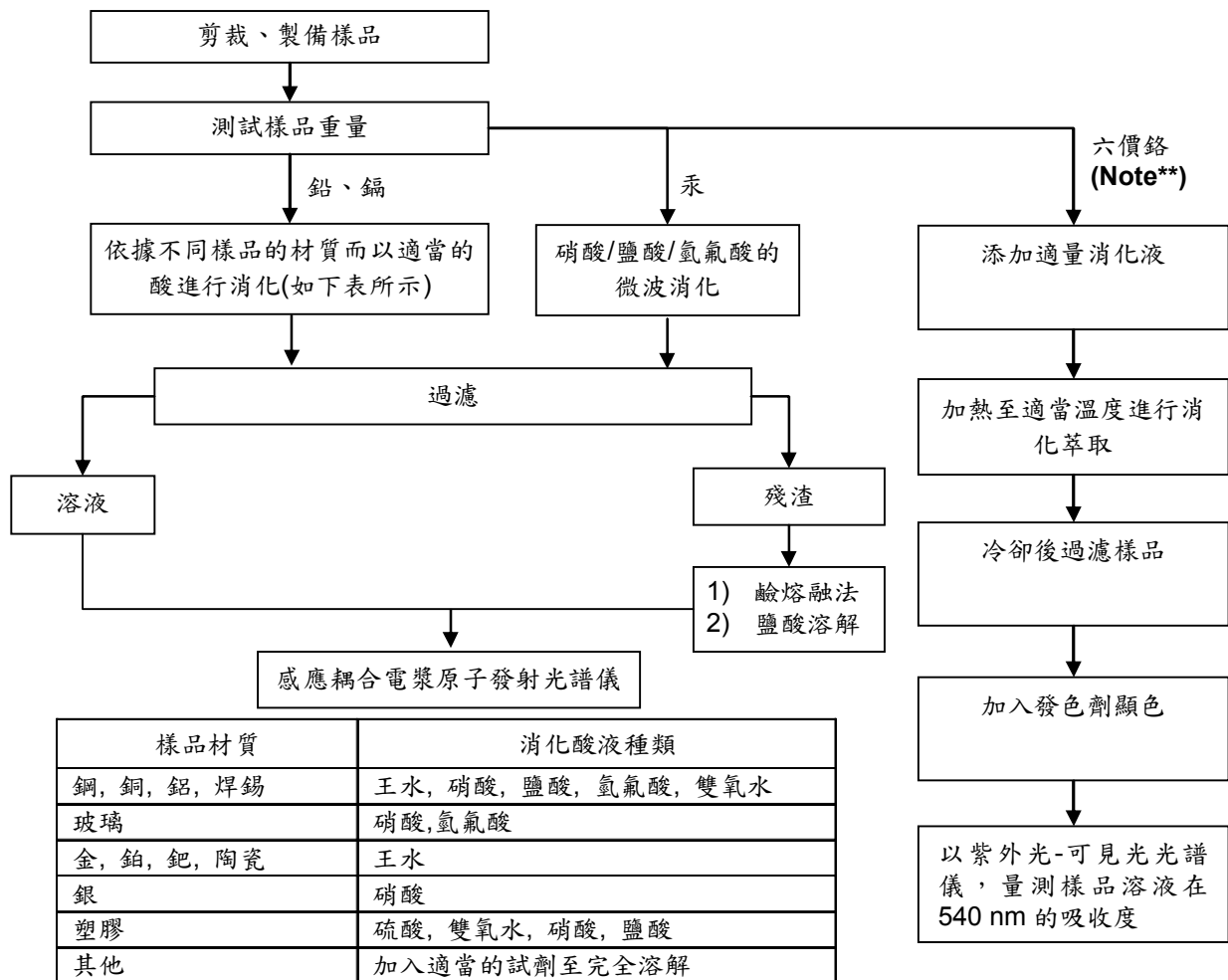
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新竹市牛埔南路105號



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)

- 測試人員：楊登偉
- 測試負責人：張啟興



Note** (For IEC 62321)

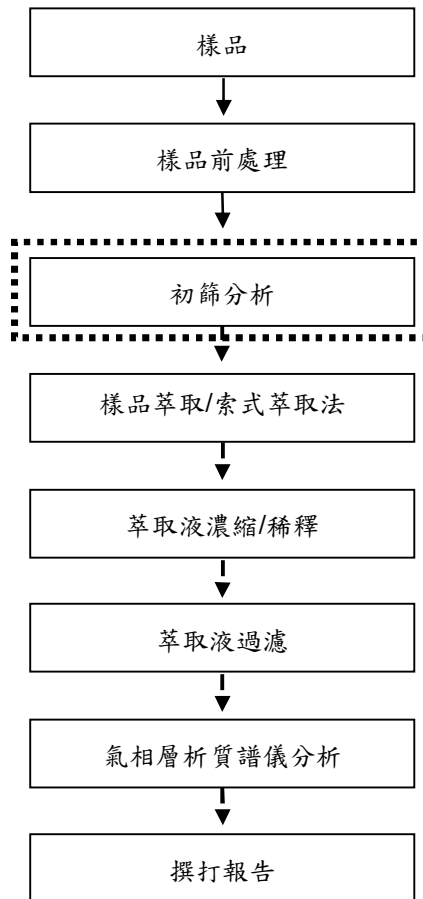
- (1) 針對非金屬材料加入鹼性消化液，加熱至 90~95°C 萃取。
- (2) 針對金屬材料加入純水，加熱至沸騰萃取。



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 - - - ▶

- 測試人員：翁賜彬
- 測試負責人：張啟興



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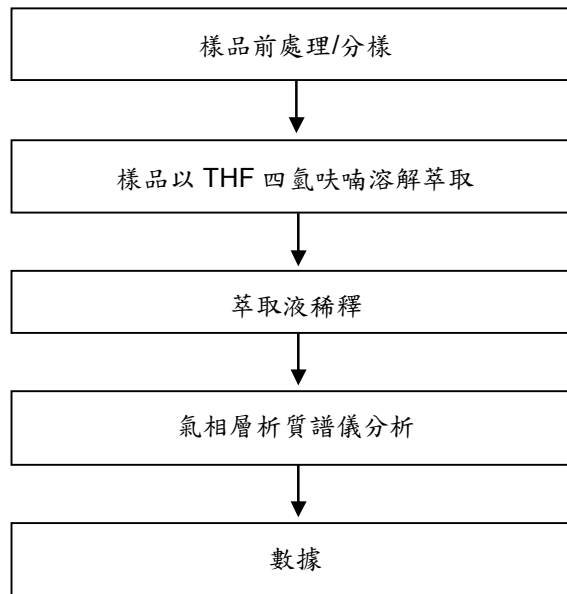
中台興化學工業股份有限公司
新竹市牛埔南路105號



可塑劑分析流程圖

- 測試人員：徐毓明
- 測試負責人：張啟興

【測試方法：IEC 62321-8】



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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。 *

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** 報告結尾 **