

## 測試報告

## Test Report

號碼(No.) : CE/2017/B1051

日期(Date) : 2017/11/13

頁數(Page): 1 of 5

明輝化工實業有限公司

MIN FEI CHEMICALS INDUSTRIES CO., LTD.

新北市土城區大安路138巷32號


NO. 32, LANE 138, TA AN RD., TUCHENG DISTRICT, NEW TAIPEI CITY, TAIWAN, R. O. C.



以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as) :

送樣廠商(Sample Submitted By) : 明輝化工實業有限公司 (MIN FEI CHEMICALS INDUSTRIES CO., LTD.)  
樣品名稱(Sample Description) : 明輝油墨  
樣品型號(Style/Item No.) : 金色(無鹵)(GOLD (NON-HALOGEN))  
收件日期(Sample Receiving Date) : 2017/11/06  
測試期間(Testing Period) : 2017/11/06 TO 2017/11/13

=====  
測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages).

  
Troy Chang / Manager - Tech  
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 : 金色油墨 (GOLDEN COLORED INK)

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
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	參考US EPA 3550C (2007), 以液相層析/質譜儀檢測. / With reference to US EPA 3550C (2007). Analysis was performed by LC/MS.	10	n. d.
全氟辛酸 / PFOA (CAS No. : 335-67-1)	mg/kg	參考US EPA 3550C (2007), 以液相層析/質譜儀檢測. / With reference to US EPA 3550C (2007). Analysis was performed by LC/MS.	10	n. d.
富馬酸二甲酯 / Dimethyl Fumarate (CAS No. : 624-49-7)	mg/kg	參考US EPA 3550C (2007), 以氣相層析/質譜儀檢測. / With reference to US EPA 3550C (2007). Analysis was performed by GC/MS.	0.1	n. d.

## 備註(Note) :

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)

## PFOS參考資訊(Reference Information) : 持久性有機污染物 POPs - (EU) 757/2010

PFOS濃度在物質或製備中不得超過0.001%(10ppm), 在半成品、成品或零部件中不得超過0.1%(1000ppm), 在紡織品或塗層材料中不得超過1µg/m<sup>2</sup>。

(Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above 1µg/m<sup>2</sup>.)

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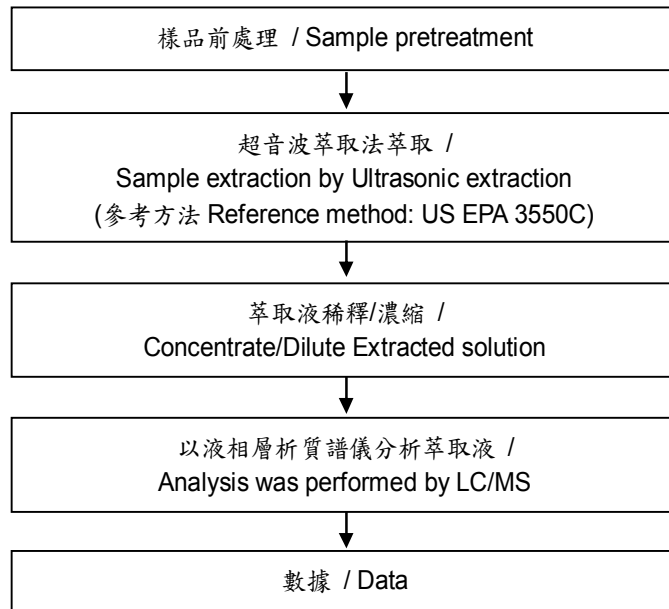
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### 全氟辛酸/全氟辛烷磺酸分析流程圖 / Analytical flow chart - PFOS

- 測試人員：涂雅苓 / Technician: Yaling Tu
- 測試負責人：張啟興 / Supervisor: Troy Chang



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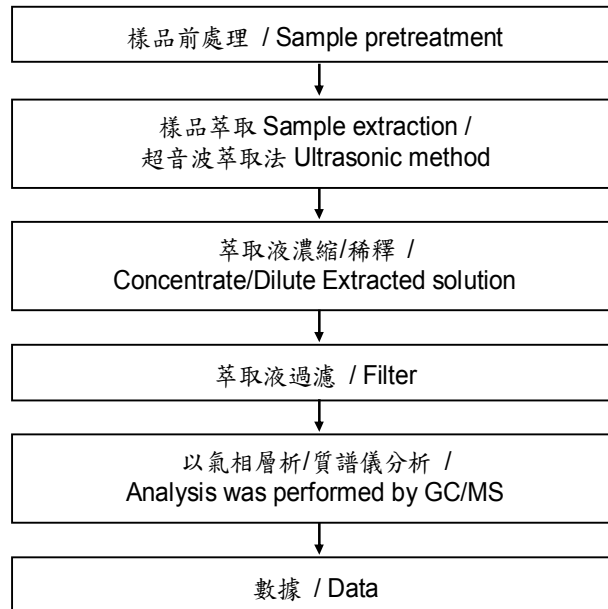
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### 富馬酸二甲酯分析流程圖 / Analytical flow chart - Dimethyl Fumarate

- 測試人員：涂雅苓 / Technician: Yaling Tu
- 測試負責人：張啟興 / Supervisor: Troy Chang



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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。\*  
(The tested sample / part is marked by an arrow if it's shown on the photo.)

### CE/2017/B1051



\*\* 報告結尾 (End of Report) \*\*