

號碼 : KE/2014/B1101 日期: 2014/11/17 頁數: 1 of 8

喬聯化工有限公司 臺南市仁德區太子四街73巷2號

以下測試樣品係由客户送樣,且由客户聲稱並經客户確認如下:

樣品名稱

水標膜油

樣品型號

WS-587 \ WS-588 \ WS-586 \ WS-585C \ WS-581 \ WS-580 \ WS-588M4 \ WS-509 \ WS-510 \ WS-511 \ WS-512 \ CP-150 \ CP-

160 · CP-200 · CP-250

樣品顏色 收件日期

送樣廠商

澄清透明

2014/11/12. 測試期間 2014/11/12 TO 2014/11/17

喬聯化工有限公司

測試結果 請見下一頁.

Ray Chang / Asst. Manager Signed for and on behalf

SGS Taiwan Limited

Chemical Laboratory-Kaohsiung

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測試結果

測試部位 NO.1 澄清透明水標膜油

測試項目	單位	測試方法	方法偵測	結果
·		·	極限値	NO.1
銅	mg/kg		2	n.d.
		應耦合電漿原子發射光譜儀(ICP-AES)檢測.		
鉛	mg/kg	參考IEC 62321-5: 2013方法, 以感	2	n.d.
		應耦合電漿原子發射光譜儀(ICP-		
		AES)檢測.		
汞	mg/kg	参考IEC 62321-4: 2013方法, 以感	2	n.d.
		應耦合電漿原子發射光譜儀(ICP-		
		AES)檢測.		
六價鉻 (Alkaline	mg/kg	参考IEC 62321: 2008方法, 用UV- VIS檢測.	2	n.d.
extraction)				
多溴聯苯總和		參考IEC 62321: 2008方法,以氣相層析儀/質譜儀(GC/MS)檢測.	-	n.d.
一溴聯苯			5	n.d.
二溴聯苯			5	n.d.
三溴聯苯			5	n.d.
四溴聯苯			5	n.d.
五溴聯苯	mg/kg		5	n.d.
六溴聯苯			5	n.d.
七溴聯苯			5	n.d.
八溴聯苯			5	n.d.
九溴聯苯			5	n.d.
十溴聯苯			5	n.d.
多溴聯苯醚總和		参考IEC 62321: 2008方法,以氣相: 層析儀/質譜儀(GC/MS)檢測.	-	n.d.
一溴聯苯醚			5	n.d.
二溴聯苯醚			5	n.d.
三溴聯苯醚			5	n.d.
四溴聯苯醚			5	n.d.
五溴聯苯醚	mg/kg		5	n.d.
六溴聯苯醚			5	n.d.
七溴聯苯醚			5	n.d.
八溴聯苯醚			5	n.d.
九溴聯苯醚			5	n.d.
十溴聯苯醚			5	n.d.

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測試項目	單位	測試方法	方法偵測 極限値	結果 NO.1
全氟辛烷磺酸 (PFOS) PFOS — Acid PFOS — Metal Salt PFOS — Amide	mg/kg	参考US EPA 3550C: 2007方法,以 液相層析/質譜儀檢測.	10	n.d.
全氟辛酸(銨) / PFOA (CAS No.: 335-67-1)	mg/kg	參考US EPA 3550C: 2007方法,以 液相層析/質譜儀檢測.	10	n.d.
鹵素				
鹵素 (氣) (CAS No.: 014762-94-8)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析.	50	n.d.
鹵素 (氣) (CAS No.: 022537-15-1)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析.	50	194
鹵素 (溴) (CAS No.: 010097-32-2)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析.	50	n.d.
鹵素 (碘) (CAS No.: 014362-44-8)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析.	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

PFOS参考資訊 : 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1ug/m2.

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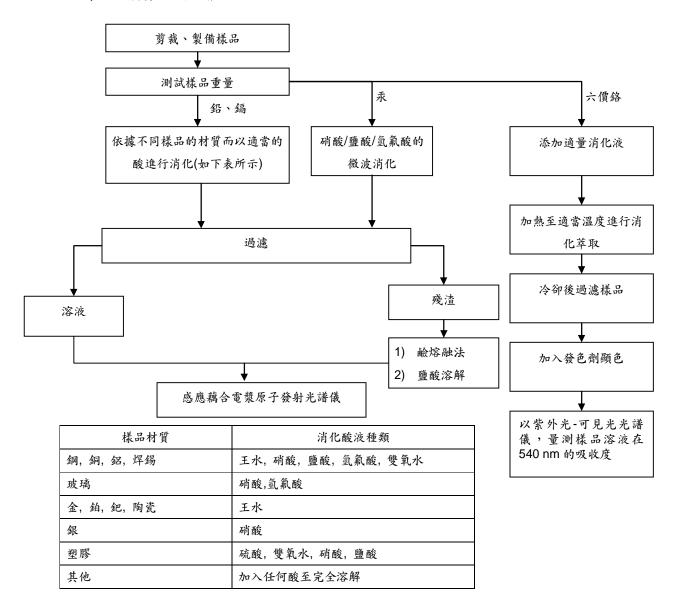
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- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外)
- 2) 測試人員:劉俊宏
- 3) 測試負責人:張伯睿



Note**:(1) 針對非金屬材料加入鹼性消化液,加熱至 90~95℃萃取.

(2) 針對金屬材料加入純水,加熱至沸騰萃取.

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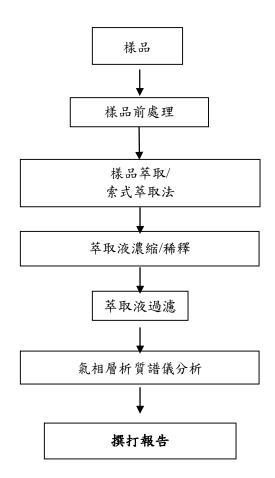


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多溴聯苯/多溴聯苯醚分析流程圖

1)測試人員:陳威錚2)測試負責人:張伯睿



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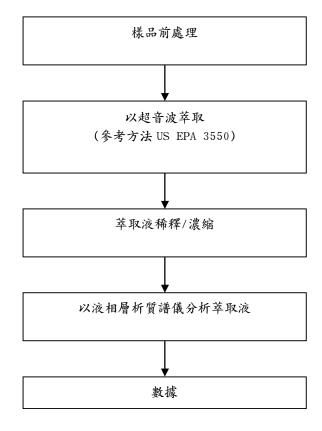
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全氟辛酸(銨)/ 全氟辛烷磺酸分析流程圖

1)測試人員 : 黄璟瓔

2) 測試負責人:張伯睿



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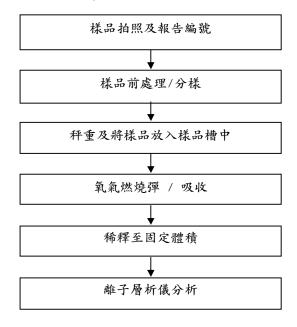
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鹵素分析流程圖

測試人員:洪秀真

2) 測試負責人:張伯睿



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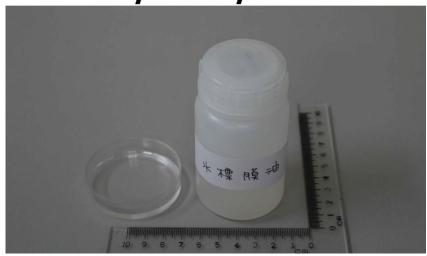


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