

LCD Controller & Driver

PFOS/PFOA Test Report

(PFOS/PFOA 測試報告)

<p>Product Name 產品名稱</p>	<p>RA8870L4N、RA8872L3N、RA8875L3N、RA0086L3N RA0086AL3N、RA8806L2N、RA8806T1N、RA8835P3N RA8835AP3N、RA8835P4N、RA8835AP4N、RA6963L2N RA8803P1N、RA8822P1N、RA8860L4N、RA8808、RA0086A RA8815、RA8816、RA8816R、RA8816N、RA8860</p>
<p>Testing Company 受委託之檢測單位</p>	<p>SGS TAIWAN LTD No33,WuChyuan Road, WuKu Industrial Zone, New Taipei County, Taiwan SGS台灣檢驗科技股份有限公司 新北市五股工業區五權路33 號 TEL : 02-2299-3279</p>
<p>Measurement Date 檢測日期</p>	<p>2011/03/24 TO 2011/3/31</p>
<p>Part Manufacturer 製造公司名稱</p>	<p>RAIO TECHNOLOGY INC. 7F, No.19--1, Industry East 4th Road, Hsinchu Science Park, Hsinchu, Taiwan 瑞佑科技股份有限公司 台灣新竹科學工業園區工業東四路 19-1 號 7 樓 TEL : 886-3-5637888 FAX : 886-3-5637666 Web-Site: www.raio.com.tw</p>



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RAIO TECHNOLOGY INC.

新竹市新竹科學園區工業東四路19-1號7樓

7F, NO. 19-1, INDUSTRY EAST 4TH ROAD, HSINCHU SCIENCE PARK, HSINCHU, TAIWAN, R. O. C.



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 (The following samples was/were submitted and identified by/on behalf of the client as) :

樣品名稱(Sample Description) : LCD 控制器 & 驅動器 (LCD CONTROLLER & DRIVER)
樣品型號(Style/Item No.) : RA8870L4N、RA8872L3N、RA8875L3N、RA0086L3N、RA0086AL3N、RA8806L2N、
RA8806T1N、RA8835 P3N、RA8835AP3N、RA8835P4N、RA8835AP4N、RA6963L2N、
RA8803P1N、RA8822P1N、RA8860L4N、RA8808、RA8815、RA0086A、RA8816、
RA8816R、RA8816N、RA8860
收件日期(Sample Receiving Date) : 2011/03/24
測試期間(Testing Period) : 2011/03/24 TO 2011/03/31

=====
測試結果(Test Results) : 請見下一頁 (Please refer to next pages).

Shin-jyh Chen

Shin-jyh Chen, Asst. Manager
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 : 整體混測 (MIXED ALL PARTS)

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) PFOS - Acid PFOS - Metal Salt PFOS - Amide	mg/kg	參考US EPA 3540C: 1996方法, 以液相層析/質譜儀檢測全氟辛烷磺酸含量. / With reference to US EPA 3540C: 1996 method for PFOS Content. Analysis was performed by LC/MS.	10	n.d.
全氟辛酸(銨) / PFOA (CAS No.: 000335-67-1)	mg/kg	參考US EPA 3540C: 1996方法, 以液相層析/質譜儀檢測全氟辛酸(銨)含量. / With reference to US EPA 3540C: 1996 method for PFOA Content. Analysis was performed by LC/MS.	10	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)
4. 樣品的測試是基於申請人要求混合測試, 報告中的混合測試結果不代表其中個別單一材質的含量. (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

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PFOS參考資訊(Reference Information) : 指令 2006/122/EC (Directive 2006/122/EC)

- (1) 該物質不可置於市場上或使用於特殊物質或配置成分重量濃度等於或大於0.005%.

(May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005% by mass.)

- (2) 該物質不可置於市場上的半成品或商品或其物件；假若零件上明顯地具有PFOS並參照結構上及微細構造上計算PFOS重量濃度等於或大於0.1%，而紡織品或其他覆蓋物質，如果PFOS在覆蓋物質中含量等於或大於 $1\mu\text{g}/\text{m}^2$.

(May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0.1% by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than $1\mu\text{g}/\text{m}^2$ of the coated material.)

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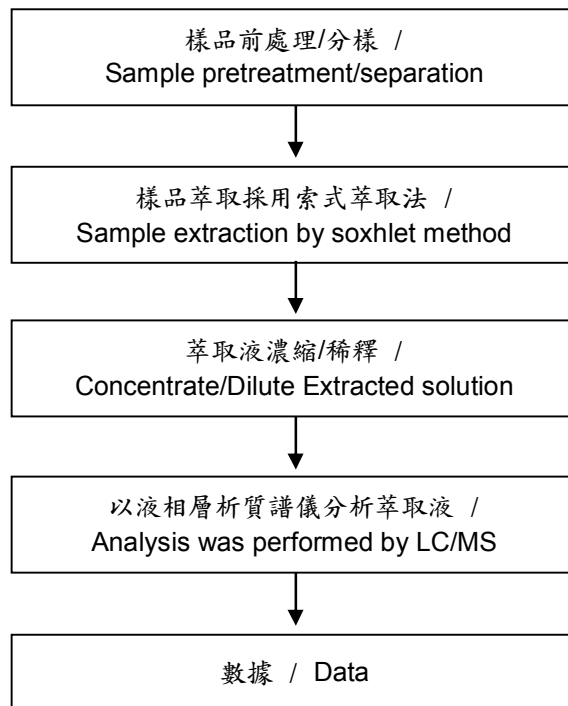
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索式萃取(LC/MS)分析流程圖 /

Analytical flow chart of Soxhlet extraction (LC/MS) procedure

- 1) 測試人員：翁賜彬 / Name of the person who made measurement: Roman Wong
 - 2) 測試負責人：陳新智 / Name of the person in charge of measurement: Shinjyh Chen
- 測試項目(Test Items): 全氟辛烷磺酸/全氟辛酸(銨)、苯並三唑類化合物 /
PFOS/PFOA、Benzotriazole



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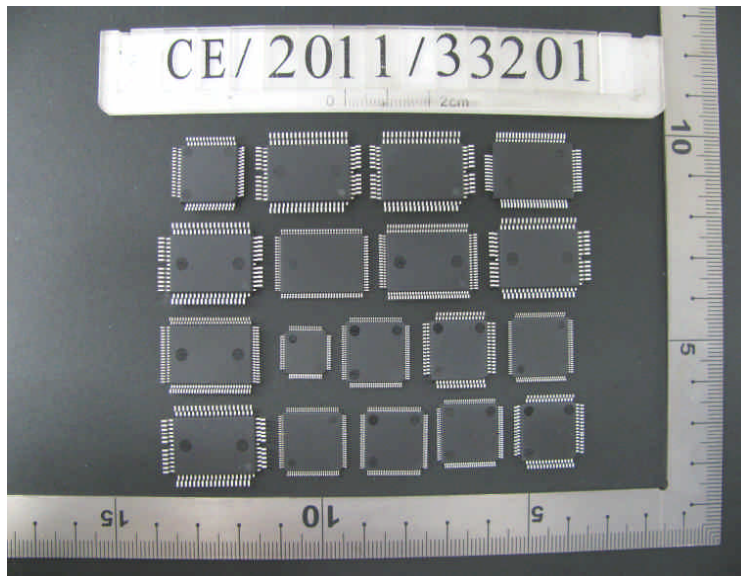
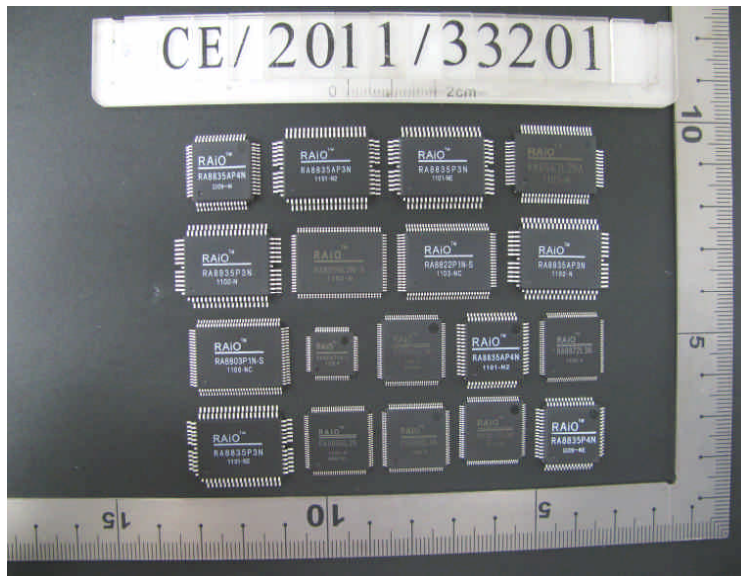
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