

測試報告 號碼: CE/2010/13828A 日期: 2010/01/26 頁數: 1 of 7

## 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
 :
 LED顯示器件

 SGS相關號碼
 :
 GZ12357371EC-2.2

收件日期 : 2010/01/19

測試期間 : 2010/01/19 TO 2010/01/26

測試方法 : 參考IEC 62321: 2008方法檢測.

- (1) 以感應藕合電漿原子發射光譜儀(ICP-AES)檢測鎘含量.
- (2) 以感應藕合電漿原子發射光譜儀(ICP-AES)檢測鉛含量.
- (3) 以感應藕合電漿原子發射光譜儀(ICP-AES)檢測汞含量.
- (4) 以UV-VIS檢測六價鉻含量.
- (5) 以Spot test / boiling water extraction方法檢測六價鉻含量.
- (6) 以氣相層析儀/質譜儀(GC/MS)檢測多溴聯苯和多溴聯苯醚含量.

測試結果: 請見下一頁.

Chenyu Kung / Operation Manager Signed for and on behalf of SGS TAIWAN LTD.

Chemical Laboratory - Taipei

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SGS Taiwan Ltd.



測試報告 號碼 : CE/2010/13828A 日期: 2010/01/26 頁數: 2 of 7

測試結果 (單位: mg/kg)

測試項目	測試方法 (請參考)	結果		方法偵測
		No.1	No.2	極限値
鎬	(1)	n.d.	n.d.	2
鉛	(2)	n.d.	n.d.	2
汞	(3)	n.d.	n.d.	2
六價鉻 (Alkaline extraction)	(4)	n.d.		2
六價鉻 (Spot test / boiling water extraction)	(5)		Negative	備註4
多溴聯苯總和	(6)	n.d.		-
一溴聯苯		n.d.		5
二溴聯苯		n.d.		5
三溴聯苯		n.d.		5
四溴聯苯		n.d.		5
五溴聯苯		n.d.		5
六溴聯苯		n.d.		5
七溴聯苯		n.d.		5
八溴聯苯		n.d.		5
九溴聯苯		n.d.		5
十溴聯苯		n.d.		5
多溴聯苯醚總和		n.d.		-
一溴聯苯醚		n.d.		5
二溴聯苯醚		n.d.		5
三溴聯苯醚		n.d.		5
四溴聯苯醚		n.d.		5
五溴聯苯醚		n.d.		5
六溴聯苯醚		n.d.		5
七溴聯苯醚		n.d.		5
八溴聯苯醚		n.d.		5
九溴聯苯醚		n.d.		5
十溴聯苯醚		n.d.		5

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測試報告 號碼: CE/2010/13828A 日期: 2010/01/26 頁數: 3 of 7

## 測試部位描述:

No.1 : 混測本體

No.2 : 銀色金屬 (含鍍層)

**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. Spot-test:

Negative=鍍層中偵測不到六價鉻, Positive=鍍層中偵測到六價鉻; 當該測項無法確認時, 測試樣品可藉由boiling-water-extraction測試方法進一步確認

Boiling-water-extraction:

Negative=鍍層中偵測不到六價鉻, Positive=鍍層中偵測到六價鉻; 該溶液濃度≧0.02 mg/kg with 50 cm² (sample surface area)

- 5. "-" = Not Regulated (無規格值)
- 6. "---" = Not Conducted (未測項目)
- 7. 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别單一材質的含量。

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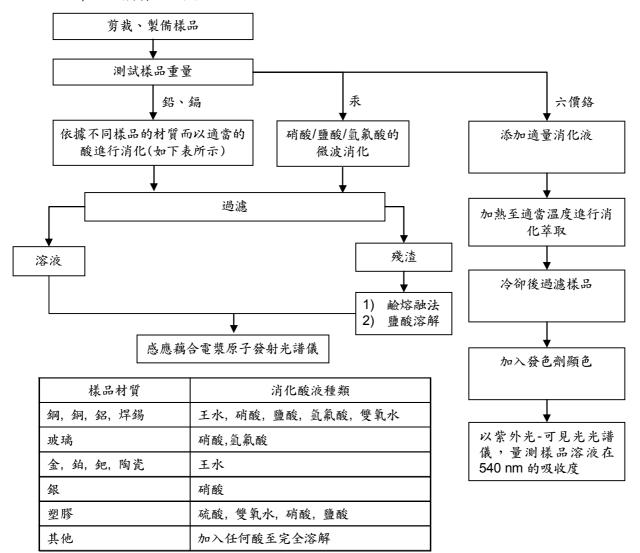


測試報告 號碼: CE/2010/13828A 日期: 2010/01/26 頁數: 4 of 7

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:楊登偉

3) 測試負責人:張啓興



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測試報告

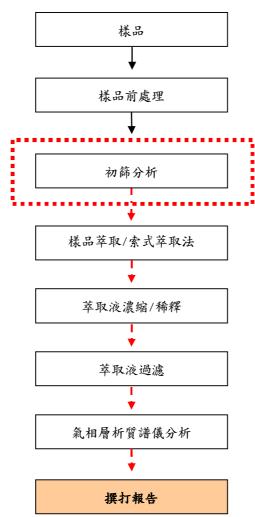
號碼 : CE/2010/13828A 日期 : 2010/01/26 頁數 : 5 of 7

## 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 - - - ▶

1) 測試人員: 翁賜彬

測試負責人: 陳新智



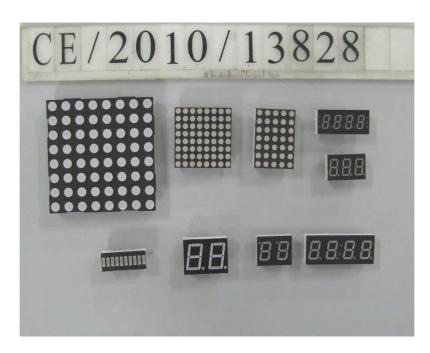
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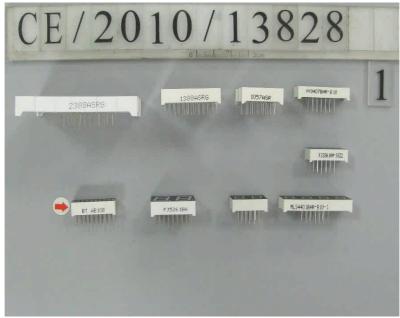


測試報告

號碼 : CE/2010/13828A 日期: 2010/01/26 頁數:6 of 7







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測試報告

號碼 : CE/2010/13828A 日期: 2010/01/26 頁數: 7 of 7





報告結尾 \*\*

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