

## 測試報告 Test Report

號碼(No.): CE/2010/92197

日期(Date): 2010/09/17

頁數(Page): 1 of 6

超昱光電科技股份有限公司

BAYLITE OPTO-ELECTRONICS TECHNOLOGY CO., LTD.

新竹縣新豐鄉鳳坑村坑子口571-1號

571-1, KUNG-TZU-KAO, LIN 1, FENG-KUN VILLAGE, SHIN-FENG HSIANG, SHIN-JU HSIEN, TAIWAN



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) : OPTICAL FIBER CABLE  
樣品型號(Style/Item No.) : PE, LSZH, NYLON  
收件日期(Sample Receiving Date) : 2010/09/13  
測試期間(Testing Period) : 2010/09/13 TO 2010/09/17

=====  
測試需求(Test Requested) : 參照 RoHS 2002/95/EC 及其修定指令要求. (In accordance with the RoHS Directive 2002/95/EC, and its amendment directives).

測試方法(Test Method) : 參考 IEC 62321: 2008 方法檢測. (With reference to IEC 62321: 2008. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products).

- (1) 以感應耦合電漿原子發射光譜儀檢測鎘含量. / Determination of Cadmium by ICP-AES.
- (2) 以感應耦合電漿原子發射光譜儀檢測鉛含量. / Determination of Lead by ICP-AES.
- (3) 以感應耦合電漿原子發射光譜儀檢測汞含量. / Determination of Mercury by ICP-AES.
- (4) 以UV-VIS檢測六價鉻含量. / Determination of Hexavalent Chromium by UV/Vis Spectrometry.
- (5) 以氣相層析儀/質譜儀檢測多溴聯苯和多溴聯苯醚含量. / Determination of PBB and PBDE by GC/MS.

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

  
Chenyu Kung / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory – Taipei

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頁數(Page): 2 of 6

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測試結果(Test Results) 單位(Unit): mg/kg

| 測試項目<br>(Test Items)                                    | 測試方法<br>Method<br>(Refer to) | 結果 (Result) | 方法偵測<br>極限值<br>(MDL) |
|---|------------------------------|-------------|----------------------|
|   |                              | No.1        |                      |
| 鎘 / Cadmium (Cd)  | (1)                          | n.d.        | 2                    |
| 鉛 / Lead (Pb)   | (2)                          | n.d.        | 2                    |
| 汞 / Mercury (Hg)  | (3)                          | n.d.        | 2                    |
| 六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction | (4)                          | n.d.        | 2                    |
| <b>多溴聯苯總和 / Sum of PBBs</b>                             | (5)                          | n.d.        | -                    |
| 一溴聯苯 / Monobromobiphenyl                                |                              | n.d.        | 5                    |
| 二溴聯苯 / Dibromobiphenyl                                  |                              | n.d.        | 5                    |
| 三溴聯苯 / Tribromobiphenyl                                 |                              | n.d.        | 5                    |
| 四溴聯苯 / Tetrabromobiphenyl                               |                              | n.d.        | 5                    |
| 五溴聯苯 / Pentabromobiphenyl                               |                              | n.d.        | 5                    |
| 六溴聯苯 / Hexabromobiphenyl                                |                              | n.d.        | 5                    |
| 七溴聯苯 / Heptabromobiphenyl                               |                              | n.d.        | 5                    |
| 八溴聯苯 / Octabromobiphenyl                                |                              | n.d.        | 5                    |
| 九溴聯苯 / Nonabromobiphenyl                                |                              | n.d.        | 5                    |
| 十溴聯苯 / Decabromobiphenyl                                |                              | n.d.        | 5                    |
| <b>多溴聯苯醚總和 / Sum of PBDEs</b>                           |                              | n.d.        | -                    |
| 一溴聯苯醚 / Monobromodiphenyl ether                         |                              | n.d.        | 5                    |
| 二溴聯苯醚 / Dibromodiphenyl ether                           |                              | n.d.        | 5                    |
| 三溴聯苯醚 / Tribromodiphenyl ether                          |                              | n.d.        | 5                    |
| 四溴聯苯醚 / Tetrabromodiphenyl ether                        |                              | n.d.        | 5                    |
| 五溴聯苯醚 / Pentabromodiphenyl ether                        |                              | n.d.        | 5                    |
| 六溴聯苯醚 / Hexabromodiphenyl ether                         |                              | n.d.        | 5                    |
| 七溴聯苯醚 / Heptabromodiphenyl ether                        |                              | n.d.        | 5                    |
| 八溴聯苯醚 / Octabromodiphenyl ether                         | n.d.                         | 5           |                      |
| 九溴聯苯醚 / Nonabromodiphenyl ether                         | n.d.                         | 5           |                      |
| 十溴聯苯醚 / Decabromodiphenyl ether                         | n.d.                         | 5           |                      |

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## 測試報告 Test Report

號碼(No.): CE/2010/92197

日期(Date): 2010/09/17

頁數(Page): 3 of 6

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### 測試部位描述 (TEST PART DESCRIPTION):

No.1 : 整體混測 (共6款) (MIXED ALL PARTS (6 TYPES))

### 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. "-" = Not Regulated (無規格值)
5. 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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頁數(Page): 4 of 6

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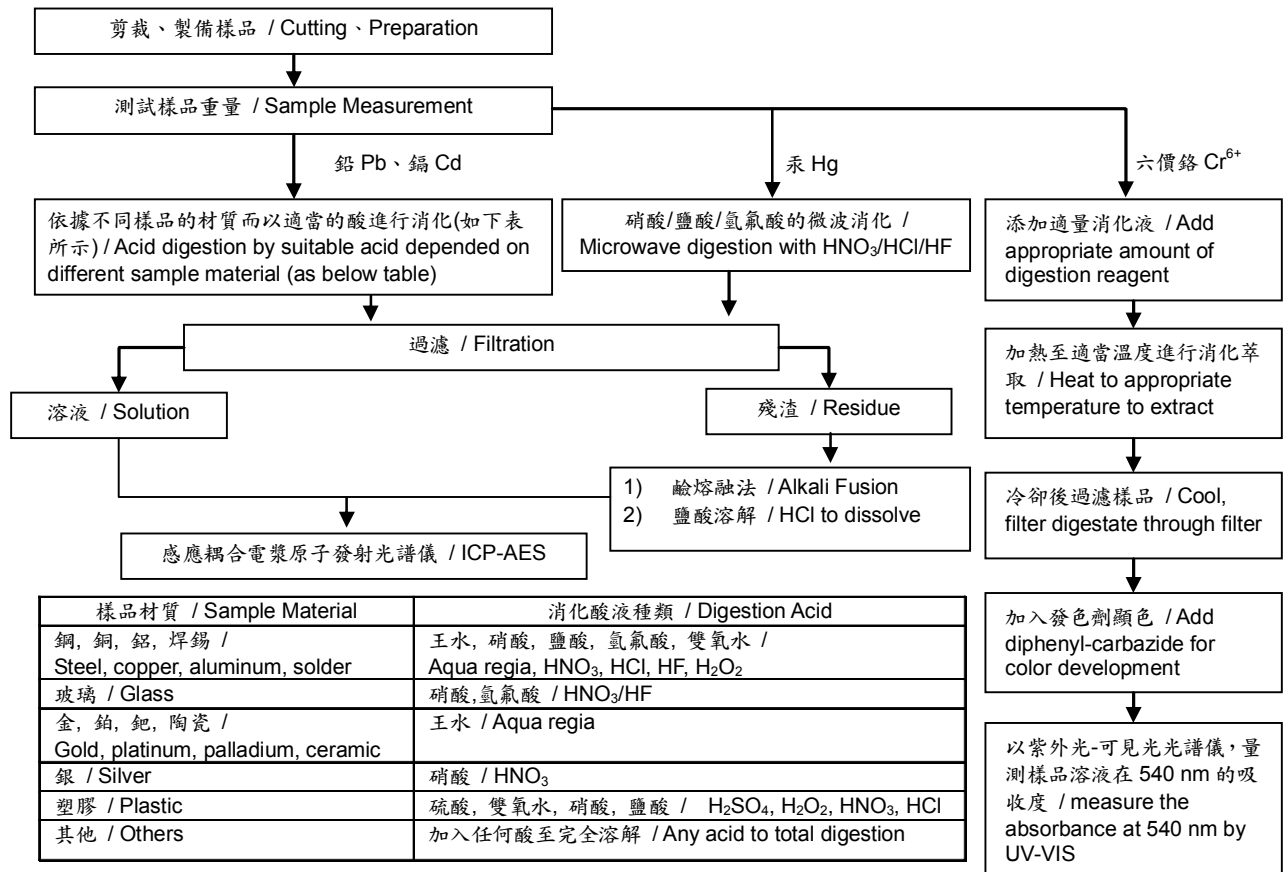
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- 1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)
- 2) 測試人員：楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 3) 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang



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頁數(Page): 5 of 6

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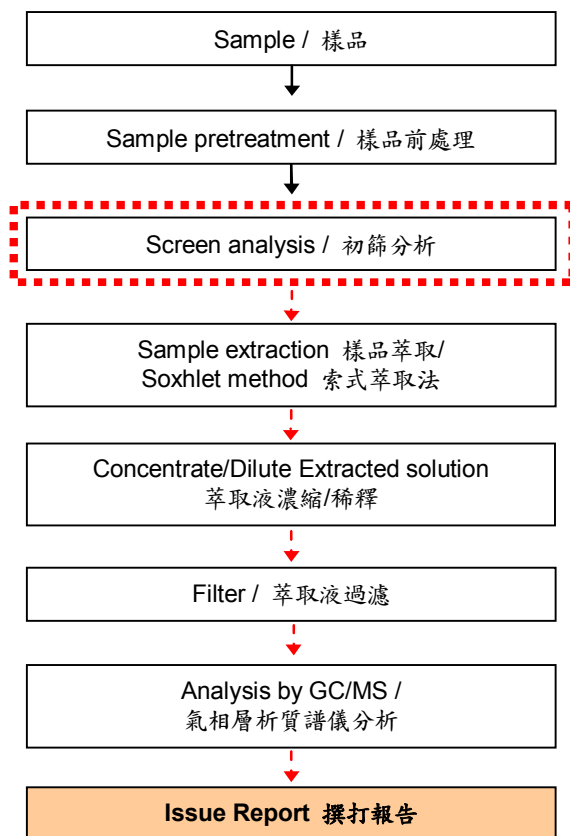
### 多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 1) 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 2) 測試負責人: 張啓興 / Name of the person in charge of measurement: Troy Chang

初次測試程序 / First testing process —————>

選擇性篩檢程序 / Optional screen process .....>

確認程序 / Confirmation process - . - . >



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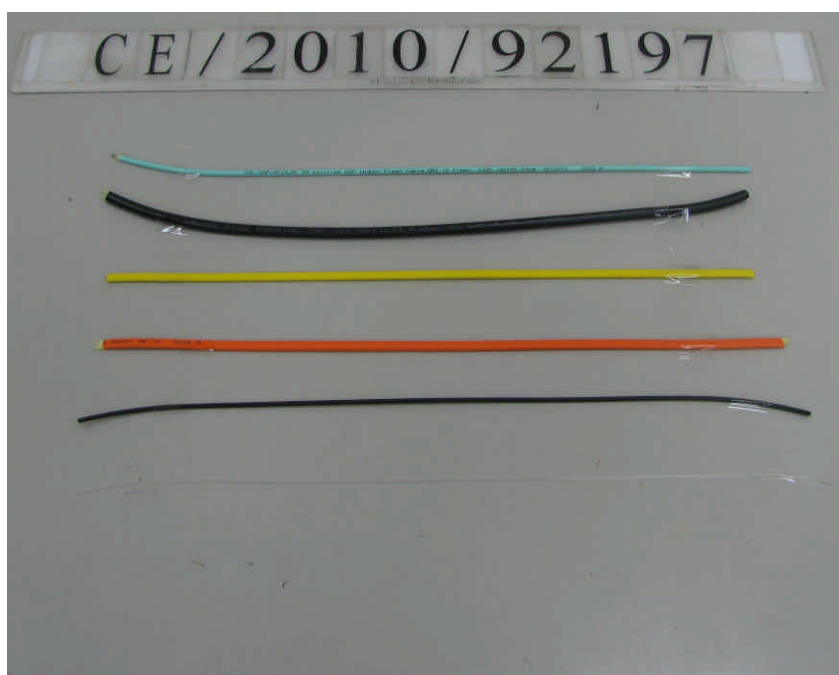
頁數(Page): 6 of 6

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\*\* 報告結尾(End of Report) \*\*

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