

# 測試報告

號碼：CE/2007/17950

日期：2007/02/06

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千印企業有限公司

臺北縣八里鄉龍形二街72號



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 sample(s) was/were submitted and identified by/on behalf of the client as)：

樣品名稱(Sample Description) : UV 油墨 (J+S)  
 樣品型號(Style/Item No.) : 550621  
 收件日期(Sample Receiving Date) : 2007/1/30  
 測試期間(Testing Period) : 2007/1/30 TO 2007/02/06


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**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, Ed. 1 111/54/CDV 方法檢測。 / With reference to IEC 62321, Ed.1 111/54/CDV. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.

- (1) 用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) 用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) 用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) 針對非金屬材質之樣品，用 UV-VIS 檢測六價鉻含量。 / Determination of Hexavalent Chromium for non-metallic samples 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 Result(s)** : 請見下一頁。

**結論 / Conclusion** : 根據客戶所提供樣品的測試結果，符合 RoHS(2002/95/EC) 及其修定指令之要求。 / Based on the performed tests on submitted samples, the test results are **compliant with** the limits of RoHS Directive 2002/95/EC and its subsequent amendments.

  
 Daniel Yeh, M.R. / Operation Manager  
 Signed for and on behalf of  
 SGS TAIWAN LTD.

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## 測試結果 (單位: mg/kg) / Test Result(s)

| 測試項目 /<br>Test Item (s):   | 測試方法<br>Method<br>(Refer to) | 結果 / Result | 方法偵測<br>極限值<br>(MDL) | RoHS<br>限值 |
|--|------------------------------|-------------|----------------------|------------|
|  |                              | No.1        |                      |            |
| 鎘 / Cadmium (Cd)   | (1)                          | n.d.        | 2                    | 100        |
| 鉛 / Lead (Pb)  | (2)                          | n.d.        | 2                    | 1000       |
| 汞 / Mercury (Hg)   | (3)                          | n.d.        | 2                    | 1000       |
| 六價鉻 / Hexavalent Chromium Cr(VI) by<br>alkaline extraction       | (4)                          | n.d.        | 2                    | 1000       |
| <b>多溴聯苯總和 / Sum of PBBs</b>                                      | (5)                          | n.d.        | -                    | 1000       |
| 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 (一至九溴) / Sum of<br/>PBDEs (Mono to Nona) (Note 4)</b> |                              | n.d.        | -                    | 1000       |
| 一溴聯苯醚 / Monobromobiphenyl ether                                  |                              | n.d.        | 5                    | -          |
| 二溴聯苯醚 / Dibromobiphenyl ether                                    |                              | n.d.        | 5                    | -          |
| 三溴聯苯醚 / Tribromobiphenyl ether                                   |                              | n.d.        | 5                    | -          |
| 四溴聯苯醚 / Tetrabromobiphenyl ether                                 |                              | n.d.        | 5                    | -          |
| 五溴聯苯醚 / Pentabromobiphenyl ether                                 |                              | n.d.        | 5                    | -          |
| 六溴聯苯醚 / Hexabromobiphenyl ether                                  |                              | n.d.        | 5                    | -          |
| 七溴聯苯醚 / Heptabromobiphenyl ether                                 |                              | n.d.        | 5                    | -          |
| 八溴聯苯醚 / Octabromobiphenyl ether                                  |                              | n.d.        | 5                    | -          |
| 九溴聯苯醚 / Nonabromobiphenyl ether                                  | n.d.                         | 5           | -                    |            |
| 十溴聯苯醚 / Decabromobiphenyl ether                                  | n.d.                         | 5           | -                    |            |
| <b>多溴聯苯醚總和 (一至十溴) / Sum of<br/>PBDEs (Mono to Deca)</b>          | n.d.                         | -           | -                    |            |

## 測試部位描述 / TEST PART DESCRIPTION:

NO.1 : 粉紅色油墨 / PINK INK

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Note： 1. mg/kg = ppm

2. n.d. = Not Detected / 未檢出

3. MDL = Method Detection Limit / 方法偵測極限值

4. Sum of Mono to NonabDE & according to 2005/717/EC DecaBDE is exempt.

根據2005年10月13日歐盟會議公佈2005/717/EC，修訂2002/95/EC內容，通過解除  
高分子材質中十溴聯苯醚之使用限制。

5. "-" = Not Regulated / 無規格值

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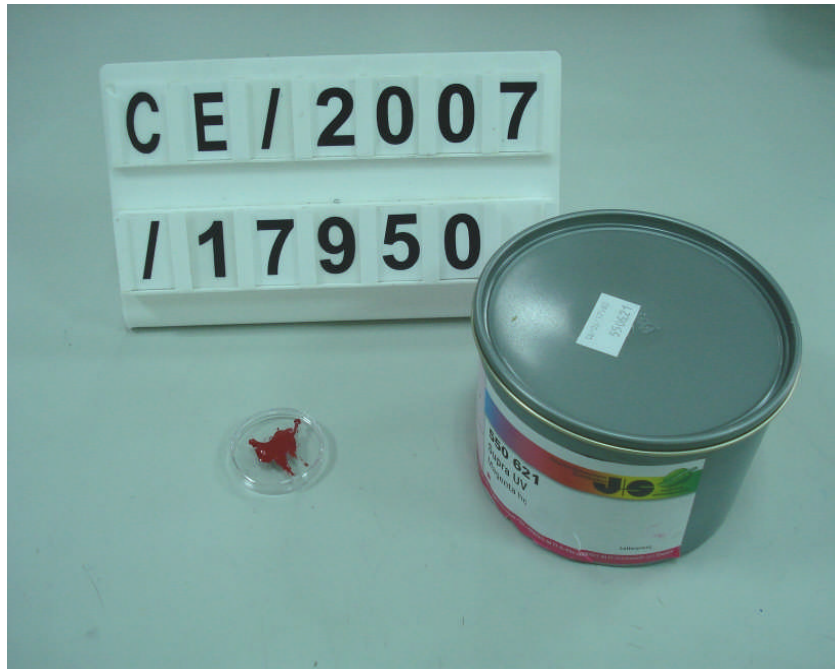
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\*\* 報告結尾 \*\*