

## 測試報告

號碼(No.) : CE/2014/71002

日期(Date) : 2014/07/11

頁數(Page): 1 of 6

## Test Report

江信有限公司

FINE ABRASIVES TAIWAN CO., LTD.

桃園縣桃園市長安里長春路337號

NO. 337, CHANG CHUN RD., TAOYUAN CITY, TAIWAN, R. O. C.



以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as) :

送樣廠商(Sample Submitted By) : 江信有限公司 (FINE ABRASIVES TAIWAN CO., LTD.)

樣品名稱(Sample Description) : TiNi-COATING PRODUCT

樣品型號(Style/Item No.) : 客戶自行調配之樣品 (SAMPLE IS BLENDED BY CLIENT) : YK, RVD, CK, PK, SFM, UDD, PC, P5Y, BBN, YBN SERIES

收件日期(Sample Receiving Date) : 2014/07/04

測試期間(Testing Period) : 2014/07/04 TO 2014/07/11

測試需求(Test Requested) : 依據客戶指定, 進行鎘, 鉛, 汞, 六價鉻, 多溴聯苯, 多溴聯苯醚測試. (As specified by client, to test Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.)

測試方法(Test Method) : 請見下一頁 (Please refer to next pages).

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

  
Troy Chang Manager- Tech  
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 : 深灰色粉末 (客戶自行調配之樣品) (DK. GRAY POWDER (SAMPLE IS BLENDED BY CLIENT))

| 測試項目<br>(Test Items)             | 單位<br>(Unit) | 測試方法<br>(Method)   | 方法偵測<br>極限值<br>(MDL) | 結果<br>(Result) |
|----------------------------------|--------------|--|----------------------|----------------|
|                                  |              |  |                      | No.1           |
| 鎘 / Cadmium (Cd)                 | mg/kg        | 參考 IEC 62321-5: 2013 方法, 以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES. | 2                    | n.d.           |
| 鉛 / Lead (Pb)                    | mg/kg        | 參考 IEC 62321-5: 2013 方法, 以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES. | 2                    | n.d.           |
| 汞 / Mercury (Hg)                 | mg/kg        | 參考 IEC 62321-4: 2013 方法, 以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-4: 2013 and performed by ICP-AES. | 2                    | n.d.           |
| 六價鉻 / Hexavalent Chromium Cr(VI) | mg/kg        | 參考 IEC 62321: 2008 方法, 以 UV-VIS 檢測. / With reference to IEC 62321: 2008 and performed by UV-VIS.           | 2                    | n.d.           |
| 多溴聯苯總和 / Sum of PBBs             | mg/kg        | 參考 IEC 62321: 2008 方法, 以氣相層析/質譜儀檢測. / With reference to IEC 62321: 2008 and performed by GC/MS.            | -                    | n.d.           |
| 一溴聯苯 / Monobromobiphenyl         | mg/kg        |  | 5                    | n.d.           |
| 二溴聯苯 / Dibromobiphenyl           | mg/kg        |  | 5                    | n.d.           |
| 三溴聯苯 / Tribromobiphenyl          | mg/kg        |  | 5                    | n.d.           |
| 四溴聯苯 / Tetrabromobiphenyl        | mg/kg        |  | 5                    | n.d.           |
| 五溴聯苯 / Pentabromobiphenyl        | mg/kg        |  | 5                    | n.d.           |
| 六溴聯苯 / Hexabromobiphenyl         | mg/kg        |  | 5                    | n.d.           |
| 七溴聯苯 / Heptabromobiphenyl        | mg/kg        |  | 5                    | n.d.           |
| 八溴聯苯 / Octabromobiphenyl         | mg/kg        |  | 5                    | n.d.           |
| 九溴聯苯 / Nonabromobiphenyl         | mg/kg        |  | 5                    | n.d.           |
| 十溴聯苯 / Decabromobiphenyl         | mg/kg        |  | 5                    | n.d.           |

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| 測試項目<br>(Test Items)             | 單位<br>(Unit) | 測試方法<br>(Method)  | 方法偵測<br>極限值<br>(MDL) | 結果<br>(Result) |
|----------------------------------|--------------|---|----------------------|----------------|
|                                  |              |   |                      | No.1           |
| 多溴聯苯醚總和 / Sum of PBDEs           | mg/kg        | 參考 IEC 62321: 2008 方法, 以氣相層析/質譜儀檢測. / With reference to IEC 62321: 2008 and performed by GC/MS. | -                    | n.d.           |
| 一溴聯苯醚 / Monobromodiphenyl ether  | mg/kg        |   | 5                    | n.d.           |
| 二溴聯苯醚 / Dibromodiphenyl ether    | mg/kg        |   | 5                    | n.d.           |
| 三溴聯苯醚 / Tribromodiphenyl ether   | mg/kg        |   | 5                    | n.d.           |
| 四溴聯苯醚 / Tetrabromodiphenyl ether | mg/kg        |   | 5                    | n.d.           |
| 五溴聯苯醚 / Pentabromodiphenyl ether | mg/kg        |   | 5                    | n.d.           |
| 六溴聯苯醚 / Hexabromodiphenyl ether  | mg/kg        |   | 5                    | n.d.           |
| 七溴聯苯醚 / Heptabromodiphenyl ether | mg/kg        |   | 5                    | n.d.           |
| 八溴聯苯醚 / Octabromodiphenyl ether  | mg/kg        |   | 5                    | n.d.           |
| 九溴聯苯醚 / Nonabromodiphenyl ether  | mg/kg        |   | 5                    | n.d.           |
| 十溴聯苯醚 / Decabromodiphenyl ether  | mg/kg        |   | 5                    | 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. "-" = Not Regulated (無規格值)

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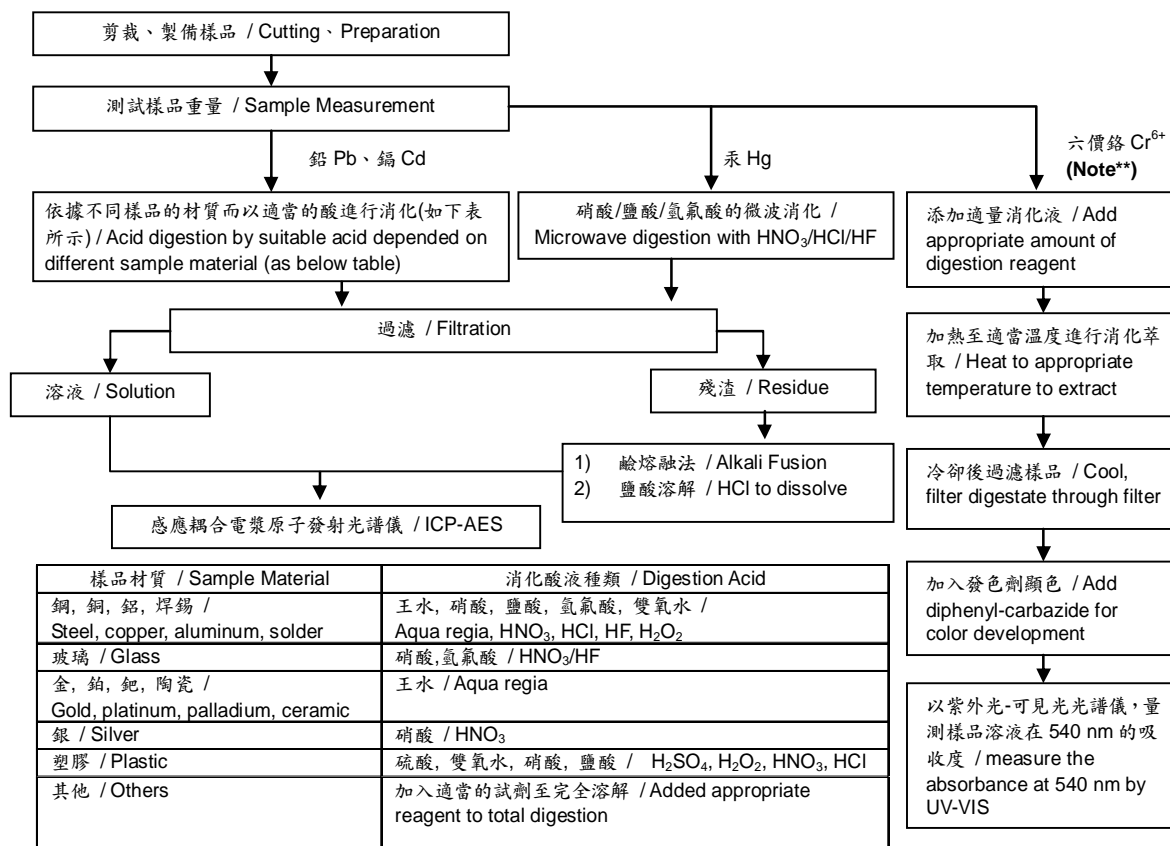
FINE ABRASIVES TAIWAN CO., LTD.

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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



**Note\*\*:** (1) 針對非金屬材料加入鹼性消化液, 加熱至 90~95°C 萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95°C.  
 (2) 針對金屬材料加入純水, 加熱至沸騰萃取. / For metallic material, add pure water and heat to boiling.

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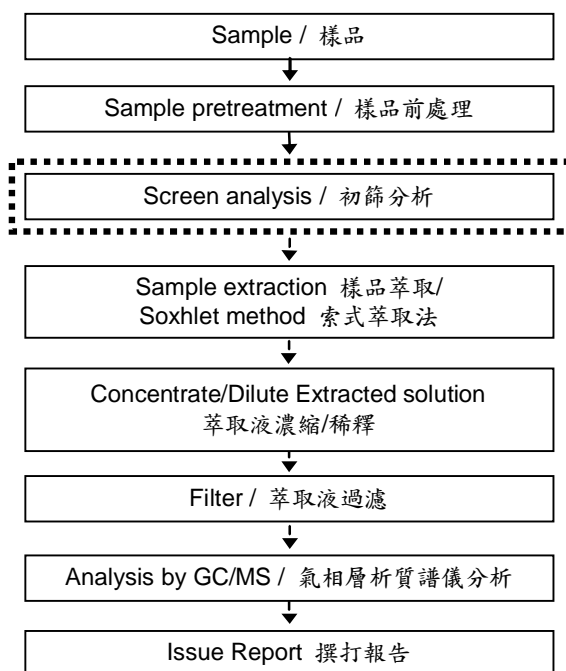
### 多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 測試人員：翁賜彬 / Name of the person who made measurement: Roman Wong
- 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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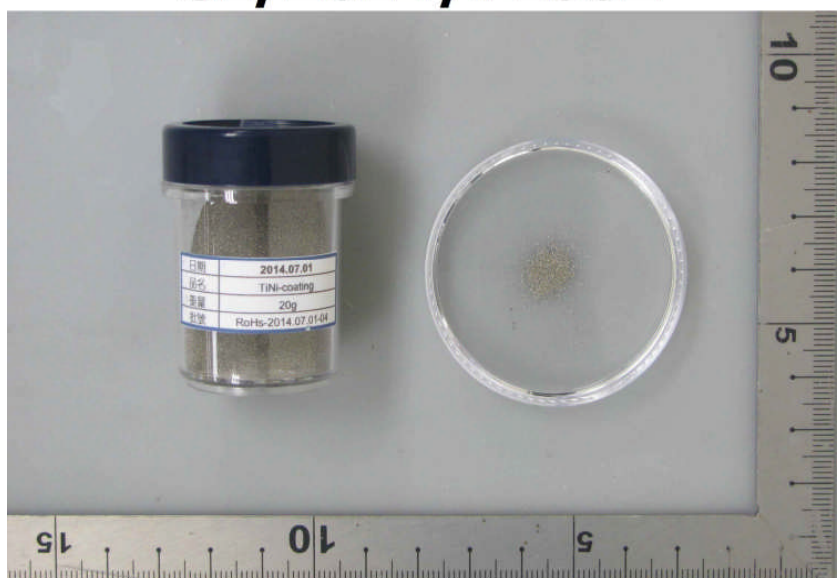
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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 \*

(The tested sample / part is marked by an arrow if it's shown on the photo.)

### CE/2014/71002



\*\* 報告結尾 (End of Report) \*\*

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