

測試報告 Test Report

號碼(No.) : CE/2014/15695

日期(Date) : 2014/02/07

頁數(Page): 1 of 4

頂烽企業股份有限公司 / FIRST EDITION ENTERPRISE CORPORATION



(竹新化學股份有限公司 / CHU SHIN CHEMICAL INDUSTRIES CO., LTD.)

新竹市中華路六段67巷3弄1號 / NO. 1, ALY. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST.,
HSINCHU CITY 300, TAIWAN (R. O. C.)

(新竹市中華路六段67巷3號 / NO. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST.,
HSINCHU CITY 300, 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) : 頂烽企業股份有限公司 (FIRST EDITION ENTERPRISE CORPORATION)

樣品名稱(Sample Description) : CALCIUM CARBONATE (碳酸鈣 CaCO_3)

收件日期(Sample Receiving Date) : 2014/01/27

測試期間(Testing Period) : 2014/01/27 TO 2014/02/07

=====
測試需求(Test Requested) : 依據客户要求, 参考RoHS 2011/65/EU Annex II 指令進行鎘, 鉛, 汞, 六價鉻測試. (As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI) 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).

結論(Conclusion) : 根據客戶所提供的樣品, 其鎘, 鉛, 汞, 六價鉻的測試結果符合RoHS指令2002/95/EC的更新指令2011/65/EU之要求 (Based on the performed tests on submitted samples, the test result(s) of Cadmium, Lead, Mercury, Cr(VI) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.)


Nicole Chien / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

測試報告 Test Report

號碼(No.) : CE/2014/15695

日期(Date) : 2014/02/07

頁數(Page): 2 of 4

頂烽企業股份有限公司 / FIRST EDITION ENTERPRISE CORPORATION



(竹新化學股份有限公司 / CHU SHIN CHEMICAL INDUSTRIES CO., LTD.)

新竹市中華路六段67巷3弄1號 / NO. 1, ALY. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST., HSINCHU CITY 300, TAIWAN (R. O. C.)

(新竹市中華路六段67巷3號 / NO. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST., HSINCHU CITY 300, TAIWAN (R. O. C.))

測試結果(Test Results)

測試部位(PART NAME)No.1 : 白色粉末 (WHITE POWDER)

| 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) | 法規 限值 (Limit) |
|----------------------------------|--------------|--|----------------------|----------------|---------------------|
| | | | | 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. | 100 |
| 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. | 1000 |
| 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. | 1000 |
| 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. | 1000 |

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)

測試報告 Test Report

號碼(No.) : CE/2014/15695

日期(Date) : 2014/02/07

頁數(Page): 3 of 4

頂烽企業股份有限公司 / FIRST EDITION ENTERPRISE CORPORATION

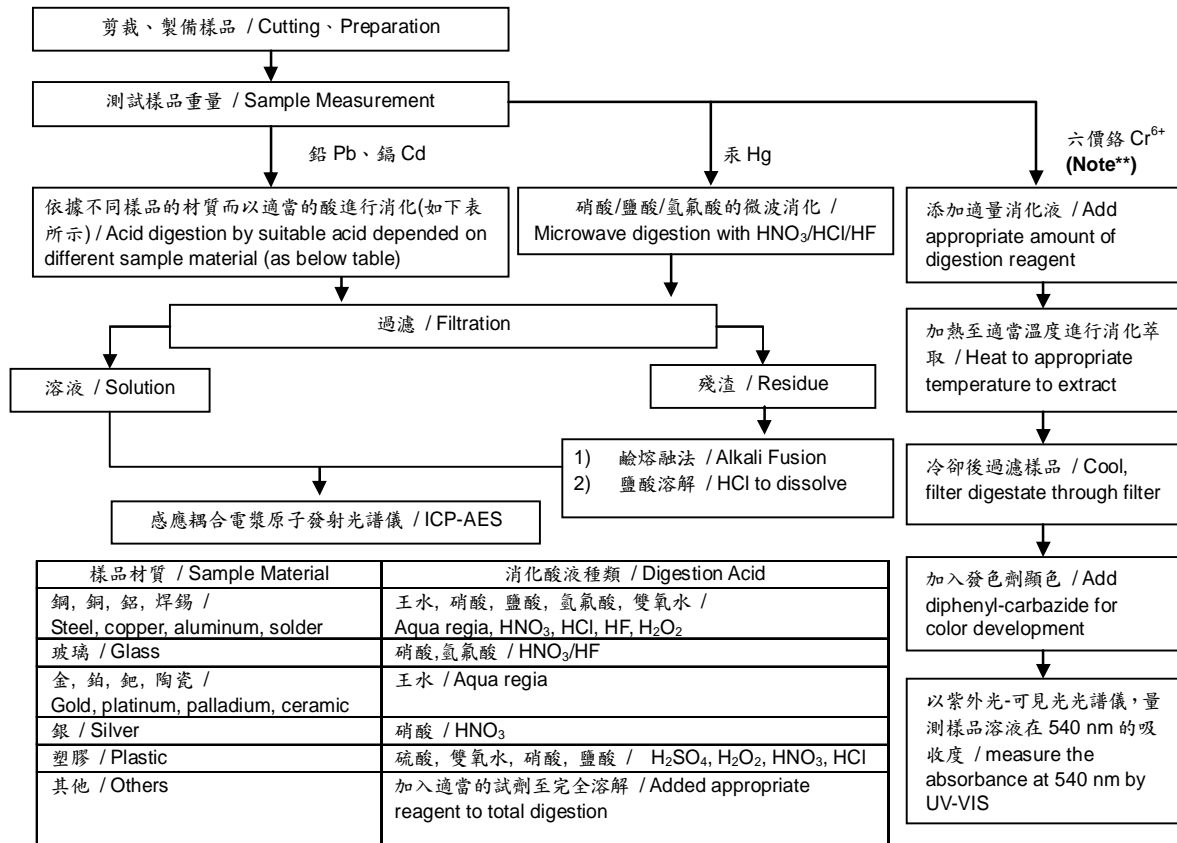


(竹新化學股份有限公司 / CHU SHIN CHEMICAL INDUSTRIES CO., LTD.)

新竹市中華路六段67巷3弄1號 / NO. 1, ALY. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST., HSINCHU CITY 300, TAIWAN (R. O. C.)

(新竹市中華路六段67巷3號 / NO. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST., HSINCHU CITY 300, TAIWAN (R. O. C.))

- 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. (Cr⁶⁺ 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.

測試報告 Test Report

號碼(No.) : CE/2014/15695

日期(Date) : 2014/02/07

頁數(Page): 4 of 4

頂烽企業股份有限公司 / FIRST EDITION ENTERPRISE CORPORATION



(竹新化學股份有限公司 / CHU SHIN CHEMICAL INDUSTRIES CO., LTD.)

新竹市中華路六段67巷3弄1號 / NO. 1, ALY. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST.,
HSINCHU CITY 300, TAIWAN (R. O. C.)

(新竹市中華路六段67巷3號 / NO. 3, LN. 67, SEC. 6, ZHONGHUA RD., XIANGSHAN DIST.,
HSINCHU CITY 300, TAIWAN (R. O. C.))

*** 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/2014/15695



**** 報告結尾 (End of Report) ****

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Termse-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.