

測試報告

號碼：CY/2012/B0164 日期：2012/11/09 頁數：1 of 6

皇冠金屬工業股份有限公司
台北市復興南路一段2號8樓之1



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：

樣品名稱：膳魔師不銹鋼真空保溫瓶 (JNL-350-MNT)
樣品型號：JNL-350-MNT
樣品材質：NO.1:PP, NO.2:PP, NO.3:PP, NO.4:矽膠, NO.5:不銹鋼
生產或供應廠商：TOP THERMO MFG. SDN. BHD.
原產國：馬來西亞
收件日期：2012/11/02
測試期間：2012/11/02 TO 2012/11/09

- =====
測試需求：
- (1) 依據客戶指定，參考中華民國食品器具容器包裝衛生標準第五條 (101.09.21署授食字第1011302926號令修正)進行以下測試：
 - 材質試驗：鉛、鎘。
 - 溶出測試：鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)。
 - (2) 材質試驗：鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁苯甲酯 (BBP)、鄰苯二甲酸二正辛酯 (DNOP)、鄰苯二甲酸二甲酯 (DMP)、鄰苯二甲酸二乙酯 (DEP)。
溶出測試：鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁苯甲酯 (BBP)、己二酸二辛酯 (DEHA) (DOA)。
 - (3) 依據客戶指定，參考中華民國食品器具容器包裝衛生標準第四條 (101.01.18署授食字第1001303928號令修正)進行以下測試：
 - 材質試驗：鉛、鎘。
 - (4) 材質試驗：鉛、鎘。
 - (5) 依據客戶指定，進行以下測試：
 - 材質試驗：耐熱測試(120°C)。
 - 其它試驗：鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁苯甲酯 (BBP)、鄰苯二甲酸二正辛酯 (DNOP)、鄰苯二甲酸二甲酯 (DMP)、鄰苯二甲酸二乙酯 (DEP)。

測試結果：請見下一頁。

* 本報告部份測試結果係引用自報告 CY/2012/B0159 相同材質/部位之測試結果 *


James Lu / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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台北市復興南路一段2號8樓之1



- 結論**：
- (1) 根據客戶所提供的樣品，其測試結果符合中華民國食品器具容器包裝衛生標準第五條 (101.09.21署授食字第1011302926號令修正)。
 - (3) 根據客戶所提供的樣品，其測試結果符合中華民國食品器具容器包裝衛生標準第四條 (101.01.18署授食字第1001303928號令修正)。

測試結果

- 測試部位 No.1 : 綠色塑膠(彈蓋)
- 測試部位 No.2 : 淺綠色塑膠(中栓)
- 測試部位 No.3 : 白色塑膠(中栓) (CY/2012/B0164+CY/2012/B0159 No.3)
- 測試部位 No.4 : 咖啡色矽膠套(中栓) (CY/2012/B0164+CY/2012/B0159 No.4)
- 測試部位 No.5 : 銀色金屬瓶 (CY/2012/B0164+CY/2012/B0159 No.5)

(1)

通過

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 | | | | | 法規 限值 |
|---|-----|---|-------------|------|------|------|------|------|----------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 鉛 | ppm | 參考食品器具、容器、包裝 檢驗方法-塑膠類之檢驗 (100年7月14日署授食字第 1001902289號修正)，以 ICP-AES分析。 | 5 | n.d. | n.d. | --- | --- | --- | 100 |
| 鎘 | ppm | | 0.5 | n.d. | n.d. | --- | --- | --- | 100 |
| 鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (CAS No.: 117-81-7) (正庚烷, 25°C, 1小時) | ppm | 參考食品器具、容器、包裝 檢驗方法-塑膠類之檢驗 (100年7月14日署授食字第 1001902289號修正)，以氣 相層析/質譜儀檢測。 | 0.05 | n.d. | n.d. | n.d. | n.d. | --- | 1.5 |
| 鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2) (正庚烷, 25°C, 1小時) | ppm | | 0.05 | n.d. | n.d. | n.d. | n.d. | --- | 0.3 |

(2)

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 | | | | | 法規 限值 |
|---|----|---|-------------|------|------|------|------|------|----------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (CAS No.: 117-81-7) | % | 參考CNS 15138方法，以氣 相層析儀/質譜儀(GC/MS)檢 測之。 | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二正辛酯 (DNOP) (CAS No.: 117-84-0) | % | | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二甲酯 (DMP) (CAS No.: 131-11-3) | % | | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2) | % | | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |

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台北市復興南路一段2號8樓之1



(2)

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 | | | | | 法規 限值 |
|--|-----|--|-------------|------|------|------|------|------|----------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7) | % | 參考CNS 15138方法, 以氣 相層析儀/質譜儀(GC/MS)檢 測之. | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0) | % | | 0.01 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二異癸酯 (DIDP) (CAS No.: 26761-40-0) | % | | 0.01 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2) | % | | 0.003 | n.d. | n.d. | --- | --- | --- | 0.1 |
| 鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0) (正庚 烷, 25°C, 1小時) | ppm | 參考食品器具、容器、包裝 檢驗方法-塑膠類之檢驗 (100年7月14日署授食字第 1001902289號修正), 以氣 相層析/質譜儀檢測. | 0.5 | n.d. | n.d. | n.d. | n.d. | --- | 9 |
| 鄰苯二甲酸二異癸酯 (DIDP) (CAS No.: 26761-40-0) (正庚 烷, 25°C, 1小時) | ppm | | 0.5 | n.d. | n.d. | n.d. | n.d. | --- | 9 |
| 鄰苯二甲酸丁苯甲酯 (BBP) (CAS No.: 85-68-7) (正庚烷, 25°C, 1小時) | ppm | | 0.05 | n.d. | n.d. | n.d. | n.d. | --- | 30 |
| 己二酸二辛酯 (DEHA) (DOA) (CAS No.: 103-23-1) (正庚烷, 25°C, 1小時) | ppm | | 0.05 | n.d. | n.d. | n.d. | n.d. | --- | 18 |

(3)

通過

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 | | | | | 法規 限值 |
|------|-----|---|-------------|------|------|-------------|-------------|------|----------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 鉛 | ppm | 參考食品器具、容器、包裝 檢驗方法-塑膠類之檢驗 (100年7月14日署授食字第 1001902289號修正), 以 ICP-AES分析. | 5 | --- | --- | n.d. (*) | --- | --- | 100 |
| | ppm | | 5 | --- | --- | --- | n.d. (*) | --- | 100 |
| 鎘 | ppm | | 0.5 | --- | --- | n.d. (*) | --- | --- | 100 |
| | ppm | | 0.5 | --- | --- | --- | n.d. (*) | --- | 100 |

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台北市復興南路一段2號8樓之1



(4)

| 測試項目 | 單位 | 測試方法 | 方法偵測極限值 | 結果 | | | | | 法規限值 |
|------|----|------------------------------|---------|------|------|------|------|-------------|------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 鉛 | % | 參考US EPA 3050B方法，以ICP-AES分析。 | 0.0002 | --- | --- | --- | --- | n.d. (*) | 10 |
| 銻 | % | 參考US EPA 3050B方法，以ICP-AES分析。 | 0.0002 | --- | --- | --- | --- | n.d. (*) | 5 |

(5)

| 測試項目 | 單位 | 測試方法 | 方法偵測極限值 | 結果 | | | | | 法規限值 |
|--|----|--|---------|------|------|-------------|-------------|------|------|
| | | | | No.1 | No.2 | No.3 | No.4 | No.5 | |
| 耐熱測試(120°C) | - | 參考行政院衛生署100年7月14日署授食字第1001902289號，食品器具、容器、包裝檢驗方法－塑膠類之檢驗。 | - | 無變形 | 無變形 | 無變形 (*) | 無變形 (*) | --- | - |
| 鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (CAS No.: 117-81-7) | % | 參考CNS 15138方法，以氣相層析儀/質譜儀(GC/MS)檢測之。 | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二正辛酯 (DNOP) (CAS No.: 117-84-0) | % | | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二甲酯 (DMP) (CAS No.: 131-11-3) | % | | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2) | % | | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7) | % | | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0) | % | | 0.01 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二異癸酯 (DIDP) (CAS No.: 26761-40-0) | % | | 0.01 | --- | --- | n.d. (*) | n.d. (*) | --- | - |
| 鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2) | % | | 0.003 | --- | --- | n.d. (*) | n.d. (*) | --- | - |

備註：

- 0.1wt% = 1000ppm ; mg/kg = ppm
- MDL = Method Detection Limit / 方法偵測極限值
- n.d. = Not Detected / 未檢出
- "-" = Not Regulated / 無規格值
- "---" = Not Conducted / 未測項目
- (*)：參考CY/2012/B0159。

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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。*

CY/2012/B0164



SGSY12B01640001

CY/2012/B0164 NO.1



SGSY12B01640101

CY/2012/B0164 NO.2



SGSY12B01640201

CY/2012/B0164 NO.3



SGSY12B01640301

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CY/2012/B0164 NO.5



** 報告結尾 **

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