

## 測試報告

號碼：CY/2012/31857

日期：2012/03/30

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杯 (JNI-300-BK)  
樣品型號：JNI-300-BK  
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：2012/03/20  
測試期間：2012/03/20 TO 2012/03/30

- =====  
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四條 (101.01.18署授食字第1001303928號令修正)進行以下測試：  
- 材質測試：鉛、鎘。  
- 溶出測試：鄰苯二甲酸2-乙基己基酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)。  
(2) 材質測試：鉛、鎘。  
(3) 溶出測試：鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁基苯酯 (BBP)、鄰苯二甲酸二辛酯 (DOP)。  
(4) 依據客戶指定，進行以下測試：  
- 材質測試：耐熱測試(120°C)。  
- 其它測試：鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二正辛酯 (DNOP)、鄰苯二甲酸二甲酯 (DMP)、鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸甲苯基丁酯 (BBP)、鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸二乙酯 (DEP)。  
測試結果：請見下一頁。  
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四條 (101.01.18署授食字第1001303928號令修正)。

  
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



### 測試結果

測試部位 No.1 : 深咖啡色塑膠(彈蓋)  
 測試部位 No.2 : 白色塑膠(中栓)  
 測試部位 No.3 : 卡其色塑膠(按鈕)  
 測試部位 No.4 : 咖啡色矽膠圈(中栓)  
 測試部位 No.5 : 銀色金屬杯

(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	mg/kg	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.	n.d.	---	---	100
鎘	mg/kg		0.5	n.d.	n.d.	n.d.	---	---	100
鉛	mg/kg		5	---	---	---	n.d.	---	100
鎘	mg/kg		0.5	---	---	---	n.d.	---	100
鄰苯二甲酸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	
鉛	%	參考US EPA 3050B方法, 以 ICP-AES分析。	0.0002	---	---	---	---	n.d.	10
鎘	%	參考US EPA 3050B方法, 以 ICP-AES分析。	0.0002	---	---	---	---	n.d.	5

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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.	---	-
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.	---	-
鄰苯二甲酸丁基苯酯 (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.	---	-
鄰苯二甲酸二辛酯 (DOP) (CAS No.: 117-84-0) (正庚烷, 25°C, 1小時)	ppm		0.05	n.d.	n.d.	n.d.	n.d.	---	-

(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	
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.	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.	n.d.	n.d.	---	-
鄰苯二甲酸二甲酯 (DMP) (CAS No.: 131-11-3)	%		0.003	n.d.	n.d.	n.d.	n.d.	---	-
鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2)	%		0.003	n.d.	n.d.	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.	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.	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.	n.d.	n.d.	---	-
鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2)	%		0.003	n.d.	n.d.	n.d.	n.d.	---	-

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台北市復興南路一段2號8樓之1



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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	---	-

### 備註：

- 0.1wt% = 1000ppm ; mg/kg = ppm ; mg/L = ppm ;  $\mu\text{g/ml}$  = 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

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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/2012/31857



SGSY12318570001

### CY/2012/31857



SGSY12318570002

### CY/2012/31857 NO.1



SGSY12318570101

### CY/2012/31857 NO.2



SGSY12318570201

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### CY/2012/31857 NO.3



### CY/2012/31857 NO.4



### CY/2012/31857 NO.5



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