

## 測試報告

號碼：CY/2012/70689A

日期：2012/07/20

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 (JMZ-480-BK)  
 樣品型號：JMZ-480-BK  
 樣品材質：NO.1:PP, NO.2:矽膠, NO.3:不銹鋼  
 生產或供應廠商：THERMOS (CHINA) HOUSEWARES  
 原產國：中國  
 收件日期：2012/07/06  
 測試期間：2012/07/06 TO 2012/07/12

=====  
**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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## 測試報告

號碼：CY/2012/70689A

日期：2012/07/20

頁數：2 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



### 測試結果

測試部位 No.1 : 黑色塑膠(中栓)  
 測試部位 No.2 : 咖啡色矽膠套(中栓)  
 測試部位 No.3 : 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	
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
鎘	ppm		0.5	n.d.	---	---	100
鉛	ppm		5	---	n.d.	---	100
鎘	ppm		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.	---	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.	---	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	
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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## 測試報告

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日期：2012/07/20

頁數：3 of 6

皇冠金屬工業股份有限公司  
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(3)

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	
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.	---	-
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.	---	-
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.	---	-
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.	---	-

(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	
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.	---	-
鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2)	%		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.	---	-
鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7)	%		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.	---	-
鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2)	%		0.003	n.d.	n.d.	---	-

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## 測試報告

號碼：CY/2012/70689A

日期：2012/07/20

頁數：4 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



(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	
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	---	-

### 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
- 此份報告取代CY/2012/70689報告。

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## 測試報告

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日期：2012/07/20

頁數：5 of 6

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台北市復興南路一段2號8樓之1



\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。\*

### CY/2012/70689



### CY/2012/70689 NO.1



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## 測試報告

號碼：CY/2012/70689A

日期：2012/07/20

頁數：6 of 6

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台北市復興南路一段2號8樓之1



### CY/2012/70689 NO.2



### CY/2012/70689 NO.3



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