

測試報告

號碼：CY/2012/C0638 日期：2012/12/20 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瓶 (JNI-400-MGD)
樣品型號：JNI-400-MGD
樣品材質：NO.1:PP, NO.2:PP, NO.3:矽膠, NO.4: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：2012/12/11
測試期間：2012/02/06 TO 2012/02/14 AND 2012/03/15 TO 2012/04/09 AND
2012/11/02 TO 2012/11/09 AND 2012/12/11 TO 2012/12/20

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：
- (1.1) 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)。
- (1.2) 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)。
- (2) 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)。
- (2.1) 材質試驗：鉛、鎘
- (2.2) 依據客戶指定，進行材質試驗：鉛、鎘。
- (3) 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/2012/20522, CY/2012/31384, CY/2012/B0159 及 CY/2012/C0637 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**：
- (1.1) 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)。
 - (2.1) 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)。

測試結果

- 測試部位 No.1：棕色塑膠(上蓋) (CY/2012/C0637 No.1)
- 測試部位 No.2：白色塑膠(飲口座) (CY/2012/B0159 No.3+CY/2012/31384 No.2+CY/2012/20522 No.1)
- 測試部位 No.3：咖啡色矽膠套(中栓) (CY/2012/B0159 No.4+CY/2012/31384 No.3)
- 測試部位 No.4：銀色金屬瓶 (CY/2012/31384 No.4)

(1.1) 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	
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. (*3)	---	---	---	100
鎘	ppm		0.5	n.d. (*3)	---	---	---	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. (*3)	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. (*3)	n.d. (*)	n.d. (*)	---	0.3

(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	
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. (*3)	---	---	---	0.1
鄰苯二甲酸二正辛酯 (DNOP) (CAS No.: 117-84-0)	%		0.003	n.d. (*3)	---	---	---	0.1
鄰苯二甲酸二甲酯 (DMP) (CAS No.: 131-11-3)	%		0.003	n.d. (*3)	---	---	---	0.1
鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2)	%		0.003	n.d. (*3)	---	---	---	0.1

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(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	
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. (*3)	---	---	---	0.1
鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0)	%		0.01	n.d. (*3)	---	---	---	0.1
鄰苯二甲酸二異癸酯 (DIDP) (CAS No.: 26761-40-0)	%		0.01	n.d. (*3)	---	---	---	0.1
鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2)	%		0.003	n.d. (*3)	---	---	---	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. (*3)	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. (*3)	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. (*3)	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. (*3)	n.d. (*)	n.d. (*)	---	18

(2.1)

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	
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. (*1)	---	---	100
	ppm		5	---	---	n.d. (*1)	---	100
鎘	ppm		0.5	---	n.d. (*1)	---	---	100
	ppm		0.5	---	---	n.d. (*1)	---	100

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(2.2)

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	
鉛	%	參考US EPA 3050B方法，以 ICP-AES分析。	0.0002	---	---	---	n.d. (*1)	10
鎘	%	參考US EPA 3050B方法，以 ICP-AES分析。	0.0002	---	---	---	n.d. (*1)	5

(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	No.4	
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 (*3)	無變形 (*1)	無變形 (*1)	---	-
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. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二正辛酯 (DNOP) (CAS No.: 117-84-0)	%		0.003	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二甲酯 (DMP) (CAS No.: 131-11-3)	%		0.003	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2)	%		0.003	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7)	%		0.003	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0)	%		0.01	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二異癸酯 (DIDP) (CAS No.: 26761-40-0)	%		0.01	---	n.d. (*2)	n.d. (*1)	---	-
鄰苯二甲酸二乙酯 (DEP) (CAS No.: 84-66-2)	%		0.003	---	n.d. (*2)	n.d. (*1)	---	-

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.
- (*1): 參考CY/2012/31384.
- (*2): 參考CY/2012/20522.
- (*3): 參考CY/2012/C0637.

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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/C0638



SGSY12C06380001

CY/2012/C0638 NO.1



SGSY12C06380101

CY/2012/C0638 NO.2



SGSY12C06380201

CY/2012/C0638 NO.3



SGSY12C06380301

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CY/2012/C0638 NO.4



SGSY12C06380401

** 報告結尾 **

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