

Test Report

No. : CY/2011/60769 Date : 2011/06/10 Page : 1 of 3

MAU DE LTD.
NO. 298, PENG YI RD., TAIPING CITY, TAICHUNG, TAIWAN



The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : JUICE BOTTLE
Sample Material : PP
Color : NAUTRAL
Sample Receiving Date : 2011/06/08
Testing Period : 2011/06/08 TO 2011/06/10

=====
Test Requested : (1) As specified by client, selected parts of the submitted sample(s) according to Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 0991303265 was amended on 2010/11/22) were testing with the following items:
Migration test : DEHP (Di- (2-ethylhexyl) phthalate) - DBP (Dibutyl phthalate).
(2) Others
Test Result(s) : Please refer to next page(s).
Conclusion : (1) Based upon the performed tests on submitted samples, the test results comply with the limits of Requirements of Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 0991303265 Amended and Appended, 2010/11/22).


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



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Test Report

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MAU DE LTD.
NO. 298, PENG YI RD., TAIPING CITY, TAICHUNG, TAIWAN



Test Result(s)

PART NAME No.1 : TRANSLUCENT PLATIC BOTTLE

(1) PASS

Test Item (s)	Unit	Method	MDL	Result	Limit
				No.1	
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.05	n.d.	1.5
DBP (Dibutyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.05	n.d.	0.3

(2)

Test Item (s)	Unit	Method	MDL	Result	Limit
				No.1	
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.5	n.d.	-
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.5	n.d.	-
BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.05	n.d.	-
DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) (n-Heptane, 25°C, 1 hour)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001901064). Analysis was performed by GC/MS.	0.05	n.d.	-

Note :

- 0.1wt% = 1000ppm ; mg/kg = ppm ; mg/L = ppm
- MDL = Method Detection Limit
- n.d. = Not Detected
- = Not Regulated

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測試報告

號碼：CY/2011/60769A 日期：2011/06/10 頁數：1 of 3

德得有限公司
台中市太平區瑞儀路298號



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：果汁瓶
樣品材質：PP
顏色：本色
收件日期：2011/06/08
測試期間：2011/06/08 TO 2011/06/10

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(99.11.22署授食字第0991303265號令修正)進行以下測試：
- 溶出測試：鄰苯二甲酸二(2-乙基己基)酯、鄰苯二甲酸二丁酯。
(2) 其它

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(99.11.22署授食字第0991303265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/2011/60769A 日期：2011/06/10 頁數：2 of 3

德得有限公司
台中市太平區瑞儀路298號



測試結果

測試部位 No.1 : 半透明色塑膠瓶

(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	
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)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.05	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)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.05	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	
鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0) (正庚烷, 25°C, 1小時)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.5	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)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.5	n.d.	-
鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7) (正庚烷, 25°C, 1小時)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.05	n.d.	-
鄰苯二甲酸二正辛酯 (DNOP) (CAS No.: 117-84-0) (正庚烷, 25°C, 1小時)	mg/L	參考食品器具、容器、包裝檢驗方法-塑膠類之檢驗修正草案(署授食字第1001901064號), 以氣相層析/質譜儀(GC/MS)檢測。	0.05	n.d.	-

備註：

1. 0.1wt% = 1000ppm ; mg/kg = ppm ; mg/L = ppm
2. MDL = Method Detection Limit / 方法偵測極限值
3. n.d. = Not Detected / 未檢出
4. "-" = Not Regulated / 無規格值

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測試報告

號碼：CT/2016/50124

日期：2016/05/13

懋得有限公司
台中市太平區鵬儀路298號



以下測試樣品係由申請廠商所提供及確認：

送樣廠商	:	懋得有限公司
樣品名稱	:	塑膠瓶
樣品材質	:	PP
原產國	:	台灣
收件日期	:	2016/05/04
測試期間	:	2016/05/04 TO 2016/05/13

測試需求：依據客戶指定，參考中華民國食品器具容器包裝衛生標準 (102.08.20部授食字第1021350146號令修正)進行測試，測試項目請參閱測試結果表格。

測試結果：請見下一頁。



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測試報告

號碼：CT/2016/50124

日期：2016/05/13

懋得有限公司

台中市太平區聯儀路298號



測試結果

測試部位 No.1 : 半透明塑膠瓶

測試項目	單位	測試方法	定量極限	結果	限值
				No. 1	
鉛	ppm	參考食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(MOHWU0007.02, 104年5月4日部授食字第1041900702號公告), 以ICP-AES分析。	5	n.d.	100
鎘	ppm		0.5	n.d.	100
高錳酸鉀消耗量-(水, 60°C, 30分鐘)	ppm	參考食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(MOHWU0007.02, 104年5月4日部授食字第1041900702號公告)。	3	n.d.	10
重金屬(以鉛計)-(4%醋酸, 60°C, 30分鐘)	ppm		1	Negative	1
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(102年11月13日部授食字第1021950607號公告), 以氣相層析/質譜儀檢測。	0.05	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.	0.3
鄰苯二甲酸丁苄基酯 (BBP) (CAS No.: 85-68-7) (正庚烷, 25°C, 1小時)	ppm		0.05	n.d.	30
鄰苯二甲酸二異葵酯 (DIDP) (CAS No.: 26761-40-0; 68515-49-1) (正庚烷, 25°C, 1小時)	ppm		0.5	n.d.	9
鄰苯二甲酸二異壬酯 (DINP) (CAS No.: 28553-12-0; 68515-48-0) (正庚烷, 25°C, 1小時)	ppm		0.5	n.d.	9
己二酸二(2-乙基己基)酯 (DEHA) (CAS No.: 103-23-1) (正庚烷, 25°C, 1小時)	ppm		0.05	n.d.	18

備註：

- 0.1wt% = 1000ppm
- LOQ = Limit of Quantification (定量極限)
- n.d. = Not Detected = 小於 LOQ (未檢出)
- 基於商業競爭及其他因素考量, 除了第一頁的資料以外, 顧客表示無法提供其餘與樣品相關的資料。
- Negative / 陰性(未偵測到), Positive / 陽性(已偵測到)
- 測試報告僅就委託測試者之委託事項提供測試結果, 至若本產品之合法性, 仍應由主管機關依法判斷。

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