

測試報告

號碼(No.) : CY/2013/90858 日期(Date) : 2013/09/25 頁數(Page) : 1 of 6

Test Report

清新科技股份有限公司



WHOLEPACK INC.

台中市西屯區台中工業區30路8號

NO. 8, 30TH RD., TAICHUNG INDUSTRIAL PARK, TAICHUNG 407, TAIWAN, R. O. C.

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as) :

送樣廠商(Sample Submitted By) : 清新科技股份有限公司 (WHOLEPACK INC.)
樣品名稱(Sample Description) : SMART P.P S-LID (智多星 PP杯蓋)
樣品材質(Sample Material) : 食用級聚丙烯 (FOOD GRADE PP)
原產國(Country of Origin) : 中華民國
收件日期(Sample Receiving Date) : 2013/09/13
測試期間(Testing Period) : 2013/09/13 TO 2013/09/24

測試需求(Test Requested) :

- (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六條 (102.04.09署授食字第1021300776號令修正)進行以下測試: / As specified by client, with reference to Article 6 of Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 1021300776 was amended on 2013/04/09) to test following items:
- (1.1) 材質試驗 / Material test : 鉛 / Lead、鎘 / Cadmium.
溶出測試 / Migration test : 高錳酸鉀消耗量 / Potassium permanganate consumption、重金屬(以鉛計) / Heavy metal (as Pb)、蒸發殘渣 / Evaporation residue、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 / Material test : 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 / Migration test : 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, 進行耐熱測試. / As specified by client, to conduct Heat-Resistance.

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).


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

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結論(Conclusion) :

(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六條（102.04.09署授食字第1021300776號令修正）。 /
Based upon the performed tests on submitted samples, the test results comply with the limits of requirements in Article 6 of Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 1021300776 was amended on 2013/04/09).

測試結果(Test Results)

測試部位(PART NAME)No.1 : 黑色塑膠蓋 (BLACK PLASTIC CAP)

(1.1) 通過(PASS)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.1	
鉛 / Lead (Pb)	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。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289 Amended and Appended, July 2011). Analysis was performance by ICP-AES.	5	n.d.	100
鎘 / Cadmium (Cd)	ppm		0.5	n.d.	100
高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption- (water, 95°C, 30 min)	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)。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289 Amended and Appended, July 2011).	3	n.d.	10
重金屬(以鉛計)-(4%醋酸, 95°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min)	ppm		1	Negative	1

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(1.1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.1	
蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)	ppm	參考食品器具、容器、包裝檢驗方法-聚 丙烯(PP)之檢驗(93年5月署授食字第 0939311138號修訂). / With reference to Sanitation Standard for Food Utensils, Containers and Packages- Polypropylene(PP) (DOH Food No. 0939311138 Amended and Appended, May 2004).	10	n.d.	30
蒸發殘渣-(4%醋酸, 95°C, 30分鐘) / Evaporation residue-(4% acetic acid, 95°C, 30 min)	ppm		10	n.d.	30
蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hour)	ppm		10	n.d.	30
蒸發殘渣-(20%酒精, 60°C, 30分鐘) / Evaporation residue-(20% alcohol, 60°C, 30 min)	ppm		10	n.d.	30
鄰苯二甲酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n- Heptane, 25°C, 1 hour)	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. / With reference to Sanitation Standard for Food Utensils, Containers and Packages- Plastics (DOH Food No. 1001902289). Analysis was performed by GC/MS.	0.05	n.d.	1.5
鄰苯二甲酸二丁酯 (正庚烷, 25°C, 1小時) / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d.	0.3

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(1.2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.1	
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	參考CNS 15138方法, 以氣相層析/質譜儀檢測之. / With reference to CNS 15138 method. Analysis was performed by GC/MS.	0.003	n.d.	0.1
鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.	0.1
鄰苯二甲酸丁苄甲酯 / BBP (Butylbenzyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d.	0.1
鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	n.d.	0.1
鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		0.01	n.d.	0.1
鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No.: 131-11-3)	%		0.003	n.d.	0.1
鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)	%		0.003	n.d.	0.1
鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2)	%		0.003	n.d.	0.1
鄰苯二甲酸二異壬酯 (正庚烷, 25°C, 1小時) / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) (n-Heptane, 25°C, 1 hour)	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. / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289). Analysis was performed by GC/MS.	0.5	n.d.	9
鄰苯二甲酸二異癸酯 (正庚烷, 25°C, 1小時) / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) (n-Heptane, 25°C, 1 hour)	ppm		0.5	n.d.	9

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(1.2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.1	
鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1小時) / BBP (Butylbenzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hour)	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。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289). Analysis was performed by GC/MS.	0.05	n.d.	30
己二酸二辛酯 (正庚烷, 25°C, 1小時) / DEHA (Di-2-ethylhexyl Adipate) (DOA) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d.	18

(2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.1	
耐熱測試 / Heat-Resistance (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 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289).	-	無變形 / Appearance not changed	-

備註(Note) :

- 0.1wt% = 1000ppm ; mg/kg = ppm
- MDL = Method Detection Limit (方法偵測極限值)
- n.d. = Not Detected = less than MDL (未檢出)
- "-" = Not Regulated (無規格值)
- Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)
- 此份報告取代2013/09/24所核發的CY/2013/90858報告。(This report supersedes the previous document bearing the test report number CY/2013/90858 which was issued on 2013/09/24.)

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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。*
(The tested sample / part is marked by an arrow if it's shown on the photo.)

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** 報告結尾 (End of Report) **