

測試報告

Test Report

號碼(No.) : CT/2018/10845

日期(Date) : 2018/01/23

頁數(Page) : 1 of 6

台灣塑膠工業股份有限公司
FORMOSA PLASTICS CORPORATION
雲林縣麥寮鄉台塑工業園區1號

NO. 1, FORMOSA INDUSTRIAL COMPLEX, MAILIAO VILLAGE, YUNLIN COUNTRY.



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) : 台灣塑膠工業股份有限公司 (FORMOSA PLASTICS CORPORATION)
樣品名稱(Sample Description) : TAISOX HDPE CAP & CLOSURE GRADE POLYMER/8040C (台塑烯HDPE瓶蓋級聚合物)
樣品型號(Style/Item No) : 8040C、8020、8016、9020、9010、8020C、8022C、8080
樣品批號(Lot No.) : -
樣品材質(Sample Material) : HDPE
製造日期(Manufacturing Date) : -
耐熱溫度(Thermal Resistance) : 105
收件日期(Sample Receiving Date) : 2018/01/12
測試期間(Testing Period) : 2018/01/12 TO 2018/01/23

測試需求(Test Requested) :

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。 / As specified by client, with reference to Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146 was amended on 2013/08/20) to conduct test. Please refer to result table for testing item(s).

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages).


Singh Hsiao / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD
Chemical Laboratory - Taipei

測試報告

Test Report

號碼(No.) : CT/2018/10845

日期(Date) : 2018/01/23

頁數(Page) : 2 of 6

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測試結果(Test Results)

測試部位(PART NAME)No. 1 : 半透明白色塑膠片 (TRANSLUCENT-WHITE PLASTIC SHEET)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				No. 1	
鉛 / Lead (Pb)	ppm	依據食品器具、容器、包裝檢驗方法-聚乙烯(PE)塑膠類之檢驗(MOHWU0008.02, 104年5月11日部授食字第1041900696號公告), 以ICP-AES分析. / According to Sanitation Standard for Food Utensils, Containers and Packages - Polyethylene(PE) Plastic Products (MOHWU0008.02, MOHW Food No. 1041900696 announced, May 11, 2015). 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		3	n. d.	10
蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)	ppm		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 hr)	ppm		10	n. d.	30 (*1)
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

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測試報告

Test Report

號碼(No.) : CT/2018/10845

日期(Date) : 2018/01/23

頁數(Page) : 3 of 6

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				No. 1	
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 hr)	ppm	依據食品器具、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。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). 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 hr)	ppm		0.05	n. d.	0.3
鄰苯二甲酸丁苄甲酯 (正庚烷, 25°C, 1小時) / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7) (n-Heptane, 25°C, 1 hr)	ppm		0.05	n. d.	30
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 hr)	ppm		0.5	n. d.	9
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 hr)	ppm		0.5	n. d.	9
己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHA (Di-2-ethylhexyl Adipate) (CAS No. : 103-23-1) (n-Heptane, 25°C, 1 hr)	ppm		0.05	n. d.	18

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測試報告

Test Report

號碼(No.) : CT/2018/10845

日期(Date) : 2018/01/23

頁數(Page) : 4 of 6

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	DL	結果 (Result)	限值 (Limit)
				No. 1	
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	依據食品器具、容器、包裝檢驗方法-聚 乙烯(PE)塑膠類之檢驗(MOHWU0008.02, 104年5月11日部授食字第1041900696號 公告). / According to Sanitation Standard for Food Utensils, Containers and Packages - Polyethylene(PE) Plastic Products (MOHWU0008.02, MOHW Food No. 1041900696 announced, May 11, 2015).	1	Negative	1

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)	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)	%	依據CNS 15138-1 (民國101年), 以氣相 層析/質譜儀檢測. / According to CNS 15138-1 (2012). 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 (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	%		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
鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No. : 84-66-2)	%		0.003	n. d.	0.1

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Test Report

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日期(Date) : 2018/01/23

頁數(Page) : 5 of 6

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備註(Note) :

1. 0.1wt% = 1000ppm
2. LOQ = Limit of Quantification (定量極限) ; MDL = Method Detection Limit (方法偵測極限值) ; DL = Detection Limit(偵測極限)
3. n.d. = Not Detected (未檢出) = 小於 (less than) LOQ / MDL / DL
4. (*1): 針對油脂及脂肪性食品用容器、包裝。(For containers and packages for oils and fatty foods.)
5. Negative = Undetectable (未檢出); Positive = Detectable (檢出)
6. 此用途為自主品管報告。(This testing report is subject to independent quality control.)
7. 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。(The test report is the test result issued by the testing institutions as requested by the consignor. Regarding to the legitimacy of the product, it shall be determined by the authorities according to the law.)

測試報告 Test Report

號碼(No.) : CT/2018/10845

日期(Date) : 2018/01/23

頁數(Page) : 6 of 6

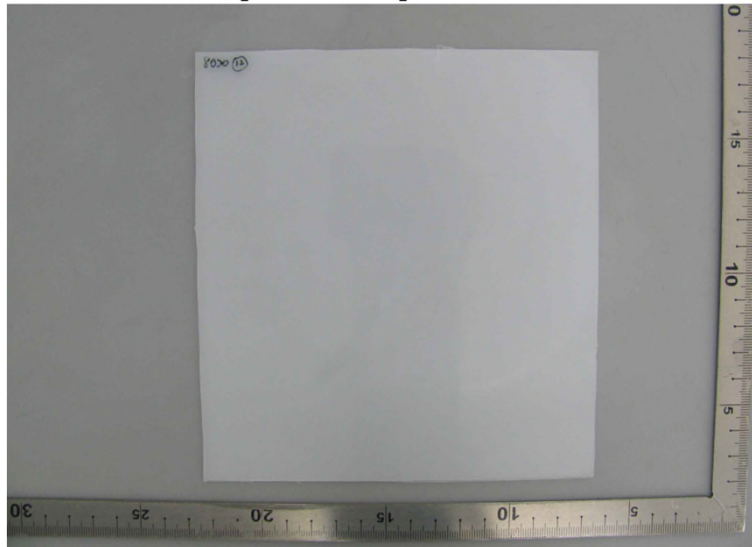
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CT/2018/10845



** 報告結尾 (End of Report) **