

測試報告 Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 1 of 8

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) :

樣品名稱(Sample Description) : POF SHRINKABLE FILM (POF收縮薄膜)
 樣品包裝/數量(Sample Package/Quantity) : 散裝 (BULK PACKAGING) / -
 樣品保存方式(Sample Packaging) : 常溫 (AMBIENT TEMP.)
 樣品型號(Style/Item No.) : -
 樣品批號(Lot. No.) : -
 樣品材質(Sample Material) : POF
 送樣廠商(Sample Submitted By) :
 送樣廠商地址/電話/聯絡人(Company Add/Tel/Contact Person) : 台北市大安區忠孝東路四段278號5樓(5F., NO. 278, SEC. 4, CHUNG HSIAO E. ROAD, TAIPEI, TAIWAN) / 03-3225531 /
 製造日期(Manufacturing Date) : -
 有效日期(Expiry Date) : -

收件日(Sample Receiving Date) : 2021/10/06
 測試期間(Testing Period) : 2021/10/06 to 2021/10/18

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 (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, amended on 2013/08/20) to conduct test. Please refer to the result table(s) for testing item(s).)
- (2) 依據客戶指定，參考中華民國食品安全衛生管理法 (108.06.12) 第26條進行測試。測試項目請參閱測試結果表格。(As specified by client, with reference to Act Governing Food Sanitation Article 26 (amended and promulgated on 2019/06/12) to conduct test. Please refer to the result table(s) for testing item(s).)

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

蕭志祥
 蕭志祥 / 副理
 化學實驗室 - 台北
 台灣檢驗科技股份有限公司
 報告簽署人



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測試報告

Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 2 of 8

測試部位敘述(Test Part Description)

No.1 : 透明塑膠膜 (TRANSPARENT PLASTIC FILM)

測試結果(Test Results)

(1)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	LOQ/ LOD	結果 (Result)	食品衛生 法規 (Limit)
				No.1	
★鉛 / Lead (Pb)	食品器具、容器、包裝檢驗方法-聚乙烯(PE)塑膠類之檢驗 (107年9月17日衛授食字第1071901780號公告)・以感應耦合電漿發射光譜儀分析。/ Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, September 17, 2018), analysis was performed by ICP-OES.	ppm	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)	食品器具、容器、包裝檢驗方法-聚乙烯(PE)塑膠類之檢驗 (107年9月17日衛授食字第1071901780號公告)・/ Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, September 17, 2018).	ppm	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	1
★蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)		ppm	3	3	30
★蒸發殘渣-(4%醋酸, 95°C, 30分鐘) / Evaporation residue-(4% acetic acid, 95°C, 30 min)		ppm	3	n.d.	30
★蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hr)		ppm	3	n.d.	30 (*1)

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測試報告

Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 3 of 8

(1)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	LOQ/ LOD	結果 (Result)	食品衛生 法規 (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)	食品器具、容器、包裝檢驗方法-塑膠類之檢驗 (107年10月4日衛授食字第1071901983號公告) · 以氣相層析質譜儀分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018), analysis was performed by GC/MS.	ppm	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
★鄰苯二甲酸丁苯甲酯 (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

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 4 of 8

(2)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	LOQ/ LOD	結果 (Result)	食品衛生 法規 (Limit)
				No.1	(Limit)
★耐熱性試驗 / Heat Tolerance (50°C, 1 h)	塑膠類食品器具容器包裝之耐熱溫度標示符合性試驗方法(106年11月13日衛授食字第1061902219號公告)。 Methods of Test for Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHW Food No. 1061902219 announced, November 13, 2017).	-	-	無斷裂 / No fracture	無斷裂 / No fracture

備註(Note) :

- 檢驗報告僅就委託者之委託事項提供檢驗結果，不對產品合法性做判斷。(The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.)
- 本檢驗報告之所有檢驗內容，均依委託事項執行檢驗，如有不實，願意承擔完全責任。(All contents in the test report are conducted according to the customer-specified items. If there is any falsehood, we are willing to take corresponding responsibility.)
- 本報告不得分離或擷錄使用。(The report is invalid if it is partly reproduced or used.)
- mg/kg = ppm ; 0.1wt% = 1000 ppm
- LOQ = 定量極限，若該測試項目屬於定量分析則以「LOQ」表示；LOD = 偵測極限，若該測試項目屬於定性分析則以「LOD」表示。(LOQ = Limit of Quantification, for quantitative analyses; LOD = Limit of Detection, for qualitative analyses.)
- n.d. = Not Detected (未檢出) = Less than (小於) LOQ/LOD
- "-" = Not Regulated (無規格值)
- (*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.)

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測試報告 Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 5 of 8

9. 測試項目名稱旁有★者，為本實驗室通過衛生福利部認證項目。(The test method marked with ★ is accredited by MOHW.)
10. 法規標準值係依據衛生福利部102年08月20日部授食字第1021350146號令 食品器具容器包裝衛生標準之法規限值。(The limit value(s) is/are according to “Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146, amended on 2013/08/20)”, Ministry of Health and Welfare of Taiwan.)
11. 法規標準值係依據衛生福利部108年06月12日總統令 食品安全衛生管理法第26條之法規規定。(The limit value(s) is/are according to “Act Governing Food Sanitation Article 26 (amended and promulgated on 2019/06/12)”, Ministry of Health and Welfare of Taiwan.)

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測試報告 Test Report

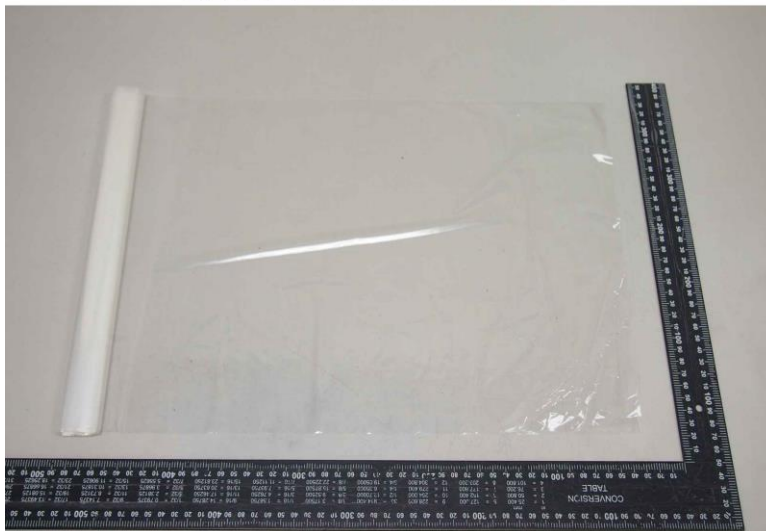
報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 6 of 8

* 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.)

HTF21A00271



**** 報告結尾 (End of Report) ****

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測試報告 Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 7 of 8

以下為申請廠商委託測試項目、測試方法、定量/偵測極限：
(The information requested from client is shown as below :)
HTF21A00271

測試項目 (Test Items)	測試方法 (Method)	LOQ/LOD
★鉛 / Lead (Pb)	食品器具、容器、包裝檢驗方法-聚乙烯(PE)塑膠類之檢驗 (107年9月17日衛授食字第1071901780號公告)・以感應耦合電漿發射光譜儀分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, September 17, 2018), analysis was performed by ICP-OES.	詳見測試結果之定量/偵測極限。(Please refer to the result table above.)
★鎘 / Cadmium (Cd)		
★高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption-(water, 95°C, 30 min)	食品器具、容器、包裝檢驗方法-聚乙烯(PE)塑膠類之檢驗 (107年9月17日衛授食字第1071901780號公告)・ / Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, September 17, 2018).	
★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)		
★蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)		
★蒸發殘渣-(4%醋酸, 95°C, 30分鐘) / Evaporation residue-(4% acetic acid, 95°C, 30 min)		
★蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hr)		
★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)	食品器具、容器、包裝檢驗方法-塑膠類之檢驗 (107年10月4日衛授食字第1071901983號公告)・以氣相層析質譜儀分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018), analysis was performed by GC/MS.	
★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)		

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測試報告 Test Report

報告編號(No.): HTF21A00271

報告日期(DATE): 2021/10/18

頁數(PAGE): 8 of 8

以下為申請廠商委託測試項目、測試方法、定量/偵測極限：

(The information requested from client is shown as below :)

HTF21A00271

測試項目 (Test Items)	測試方法 (Method)	LOQ/LOD
★鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1小時) / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hr)	食品器具、容器、包裝檢驗方法-塑膠類之檢驗 (107年10月4日衛授食字第1071901983號公告) 。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018), analysis was performed by GC/MS.	詳見測試結果之定量/偵測極限。(Please refer to the result table above.)
★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)		
★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)		
★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)		
★耐熱性試驗 / Heat Tolerance (50°C, 1 h)	塑膠類食品器具容器包裝之耐熱溫度標示符合性試驗方法(106年11月13日衛授食字第1061902219號公告) 。 / Methods of Test for Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHW Food No. 1061902219 announced, November 13, 2017).	

測試項目名稱旁有★者，為本實驗室通過衛生福利部認證項目。(The test method marked with ★ is accredited by MOHW.)

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