

## 測試報告 Test Report

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日期(Date) : 2020/01/22

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六和化工股份有限公司  
UNION CHEMICAL IND. CO., LTD.  
台北市中山區德惠街9號6樓  
6TH FL., NO. 9, DE-HUI STREET, JHONG-SHAN DISTRICT, TAIPEI 104, TAIWAN

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) : PET MESH FOR TEA BAG (茶包用PET紗)  
樣品狀態/數量(Sample storage status / Quantity) : 請參考報告末頁樣品照片/- (Please refer to the sample photo at the end of the report / -)  
樣品保存方式(Sample packaging) : 室溫 (Room temperature)  
樣品型號(Style/Item No.) : 2520S  
樣品批號(Lot No.) : OHK-200001  
樣品材質(Sample Material) : PET  
送樣廠商(Sample Submitted By) : 六和化工股份有限公司 (UNION CHEMICAL IND. CO., LTD.)  
送樣廠商地址/電話/聯絡人 (Company address/Tel/Contact person) : -  
製造日期(年/月/日)(Manufacturing Date) : DECEMBER, 2019  
有效日期(年/月/日)(Expiry Date) : -  
原產國(Country of Origin) : 日本 (JAPAN)  
生產廠商(Manufacturer) : 大紀商事株式會社 (OHKI CO., LTD.)  
收件日期(Sample Receiving Date) : 2020/01/13  
測試期間(Testing Period) : 2020/01/13 to 2020/01/22

### 測試需求(Test Requested) :

- 客戶指定, 依據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, according 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).
- 依據客戶要求進行測試, 測試項目請參閱測試結果表格。 / The test was specified by client, 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).

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



# 測試報告

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### 測試結果(Test Results)

測試部位(PART NAME)No. 1 : 透明紗 (TRANSPARENT MESH)  
 (1)

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	食品器具、容器、包裝檢驗方法-聚對苯二甲酸乙二酯(PET)塑膠類之檢驗(107年09月20日衛授食字第1071901823號公告) , 以ICP-OES檢測。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene Terephthalate (PET) Plastic Products (MOHW Food No. 1071901823 announced, Sep 20, 2018). Analysis was performed by ICP-OES.	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
銻-(4%醋酸, 95°C, 30分鐘) / Antimony (Sb)-(4% acetic acid, 95°C, 30 min)	ppm		0.001	n. d.	0.05
鍺-(4%醋酸, 95°C, 30分鐘) / Germanium (Ge)-(4% acetic acid, 95°C, 30 min)	ppm	0.001	n. d.	0.1	

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(1)

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	食品器具、容器、包裝檢驗方法-塑膠類之檢驗(107年10月04日衛授食字第1071901983號公告), 以氣相層析/質譜儀檢測。/ According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 4, 2018). 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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(1)

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	食品器具、容器、包裝檢驗方法-聚對苯二甲酸乙二酯(PET)塑膠類之檢驗(107年09月20日衛授食字第1071901823號公告)。/ According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene Terephthalate (PET) Plastic Products (MOHW Food No. 1071901823 announced, Sep 20, 2018).	-	<1	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
鄰苯二甲酸丁苄基酯 / 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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(2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				No. 1	
鄰苯二甲酸二正辛酯 (正庚烷, 25°C, 1小時) / DNOP (Di-n-octyl phthalate) (CAS No. : 117-84-0) (n-Heptane, 25°C, 1 hr) (*)	ppm	食品器具、容器、包裝檢驗方法-塑膠類之檢驗(107年10月04日衛授食字第1071901983號公告), 以氣相層析/質譜儀檢測。/ According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 4, 2018). Analysis was performed by GC/MS.	0.05	n. d.	-

**備註(Note) :**

1. 測試報告僅就委託者之委託事項提供測試結果, 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.)
2. 0.1wt% = 1000ppm
3. LOQ = Limit of Quantification (定量極限); MDL = Method Detection Limit (方法偵測極限值); DL = Detection
4. n. d. = Not Detected (未檢出) = 小於 (less than) LOQ / MDL / DL
5. "-" = Not Regulated (無規格值)
6. (\*): 此項目未取得衛生福利部食品藥物管理署認證。 / The item hasn't be accredited by Taiwan FDA.

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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) \*\*