

測試報告 Test Report

號碼(No.) : CY/2018/10147

日期(Date) : 2018/01/17

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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) :

送樣廠商(Sample Submitted By) : 六和化工股份有限公司 (UNION CHEMICAL IND. CO., LTD.)
樣品名稱(Sample Description) : PLA MESH FOR TEA BAG (茶包用PLA紗)
樣品材質(Sample Material) : PLA
生產或供應廠商(Manufacturer/Vendor) : 大紀商事株式會社 (OHKI CO., LTD.)
原產國(Country of Origin) : 日本 (JAPAN)
收件日期(Sample Receiving Date) : 2018/01/08
測試期間(Testing Period) : 2018/01/08 TO 2018/01/17

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 was amended on 2013/08/20) to conduct test. Please refer to result table for testing item(s).
- (2) 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).


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

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測試結果(Test Results)

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

測試部位(PART NAME)No. 2 : 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	No. 2	
鉛 / Lead (Pb)	ppm	依據食品器具、容器、包裝檢驗方法-聚乳酸(PLA)塑膠類之檢驗 (MOHWU0017.02, 104年10月29日部授食字第1041901888號公告), 以 ICP-AES分析. / According to Sanitation Standard for Food Utensils, Containers and Packages - Polylactic Acid (PLA) Plastic Products (MOHWU0017.02, MOHW Food No. 1041901888 announced, October 29, 2015). Analysis was performance by ICP-AES.	5	n. d.	---	100
鎘 / Cadmium (Cd)	ppm	依據食品器具、容器、包裝檢驗方法-聚乳酸(PLA)塑膠類之檢驗 (MOHWU0017.02, 104年10月29日部授食字第1041901888號公告). / According to Sanitation Standard for Food Utensils, Containers and Packages - Polylactic Acid (PLA) Plastic Products (MOHWU0017.02, MOHW Food No. 1041901888 announced, October 29, 2015).	0.5	n. d.	---	100
總乳酸 (水, 60°C, 30分鐘) / Total lactic acid (water, 60°C, 30 min)	ppm	依據食品器具、容器、包裝檢驗方法-聚乳酸(PLA)塑膠類之檢驗 (MOHWU0017.02, 104年10月29日部授食字第1041901888號公告). / According to Sanitation Standard for Food Utensils, Containers and Packages - Polylactic Acid (PLA) Plastic Products (MOHWU0017.02, MOHW Food No. 1041901888 announced, October 29, 2015).	5	n. d.	---	30

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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	No. 2	
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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(2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)		限值 (Limit)
				No. 1	No. 2	
高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption- (water, 95°C, 30 min)	ppm	依據食品器具、容器、包裝檢驗方法-聚氯乙稀(PVC)之檢驗(102年10月31日部授食字第1021950803號公告)。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Polyvinylchlorid (PVC) (MOHW Food No. 1021950803 announced, October 31, 2013).	3	---	n. d.	-
蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)	ppm		10	---	n. d.	-

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	DL	結果 (Result)		限值 (Limit)
				No. 1	No. 2	
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-聚氯乙稀(PVC)之檢驗(102年10月31日部授食字第1021950803號公告)。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Polyvinylchlorid (PVC) (MOHW Food No. 1021950803 announced, October 31, 2013).	1	---	Negative	-

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備註(Note) :

1. 0.1wt% = 1000ppm
2. LOQ = Limit of Quantification (定量極限) ; DL = Detection Limit(偵測極限)
3. n. d. = Not Detected (未檢出) = 小於 (less than) LOQ / DL
4. Negative = Undetectable (未檢出); Positive = Detectable (檢出)
5. "-" = Not Regulated (無規格值)
6. "---" = Not Conducted (未測項目)
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.)

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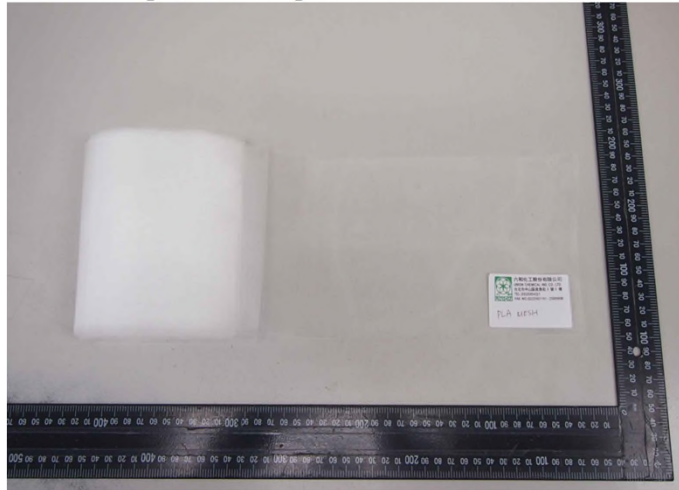
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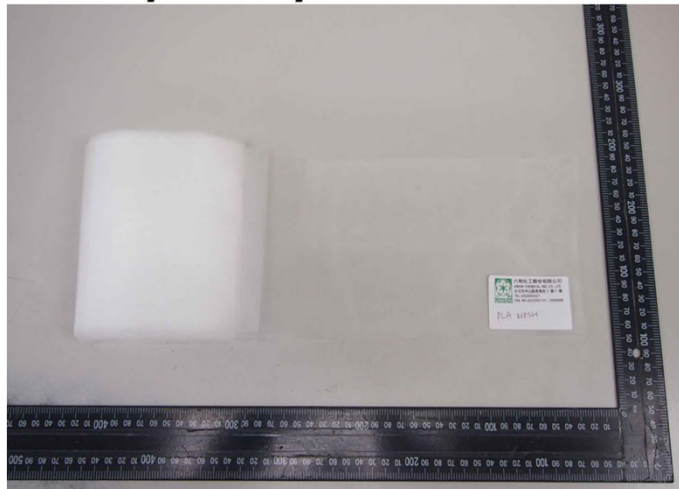
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CY/2018/10147 NO.1



CY/2018/10147 NO.2



** 報告結尾 (End of Report) **

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