

試驗報告

Test Report

號碼(No.) : KU/2020/10082

日期(Date) : 2020/01/20

頁數(Page) : 1 of 6

華德優而優股份有限公司
HUA DER U AND U CO., LTD.
高雄市彌陀區文安北路10號

NO.10, WEN-AN N. RD., MITUO DIST., KAOHSIUNG CITY 827, 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) : 聚乙烯貼合製品
樣品狀態/數量(Sample Storage Status/Quantity) : 散裝 / - (BULK PACKAGING / -)
樣品保存方式(Sample Packaging) : 室溫 (ROOM TEMPERATURE)
樣品型號(Style/Item No.) : -
樣品批號(Lot No.) : -
樣品材質(Sample Material) : NY/LLDPE
送樣廠商(Sample Submitted By) : 華德優而優股份有限公司 (HUA DER U AND U CO., LTD.)
送樣廠商地址/電話/聯絡人(Company Address/Tel/Contact Person) : 高雄市彌陀區文安北路10號/07-6197888/莊婷婷 (NO.10, WEN-AN N. RD., MITUO DIST., KAOHSIUNG CITY 827, TAIWAN07-6197888/莊婷婷)
製造日期(Manufacturing Date) : -
有效日期(Expiry Date) : -
收件日期(Sample Receiving Date) : 2020/01/08
測試期間(Testing Period) : 2020/01/08 TO 2020/01/20

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).


報告簽署人張伯睿/博士/技術經理
Ray Chang, Ph.D./Manager -Tech

Signed for and on behalf of
SGS Taiwan Limited

化學實驗室-高雄/Chemical Laboratory-Kaohsiung



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測試結果(Test Results)

測試部位(PART NAME)No. 1 : 塑膠袋(本體) (PLASTIC BAG(MAIN PART))

測試部位(PART NAME)No. 2 : 塑膠袋(食物接觸面) (PLASTIC BAG(FOOD CONTACT SIDE))

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	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ICP-AES分析。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 2018). Analysis was performed by ICP-AES.	5	n. d.	---	100
鎘 / Cadmium (Cd)	ppm		0.5	n. d.	---	100
鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	%	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
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No. : 117-81-7)	%		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

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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	No. 2	
高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption- (water, 95°C, 30 min)	ppm	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). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, Sep 17, 2018).	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

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOD	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	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). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene (PE) Plastic Products (MOHW Food No. 1071901780 announced, Sep 17, 2018).	-	---	<1	1

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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	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	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/質譜儀檢測。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 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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備註(Note) :

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2. 本報告不得分離或擷錄使用。 / The report is invalid if it is partly reproduced or used.
3. 0.1 wt% = 1000 ppm
4. LOQ = Limit of Quantification (定量極限) ; LOD = Limit of Detection(偵測極限)
5. n.d. = Not Detected (未檢出) = 小於 (less than) LOQ / LOD
6. (*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.)
7. "-" = Not Regulated (無規格值)
8. "---" = Not Conducted (未測項目)

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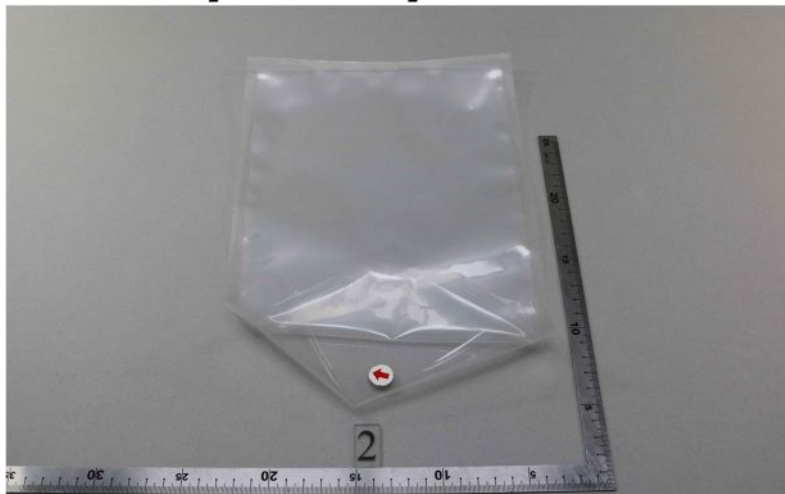
* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。*

(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) **

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