

Preliminary

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欣全實業股份有限公司

KING CAN INDUSTRY CORPORATION

台中市霧峰區中正路561號

561 CHUNG CHENG RD., KEN KOU VILLAGE, WU FONG DIST., TAICHUNG CITY, 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) : 欣全實業股份有限公司 (KING CAN INDUSTRY CORPORATION)
樣品名稱(Sample Description) : 【PET類】塑膠瓶
樣品型號(Style/Item No.) : 醬油瓶750ml, 820ml, 850ml, 900ml, 1000ml, 1600ml ; 風味糖漿瓶 ; 工研PET瓶 ; 瓶胚(35g, 45g, 58g) ; 果汁300mlPET瓶
樣品批號(Lot No.) : -
樣品材質(Sample Material) : PET
製造日期(Manufacturing Date) : -
收件日期(Sample Receiving Date) : 2019/04/02
測試期間(Testing Period) : 2019/04/02 TO 2019/04/12

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).

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測試結果(Test Results)

測試部位(PART NAME)No.1 : 塑膠瓶 (PLASTIC BOTTLE (醬油瓶1000ml))

(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 | 依據食品器具、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9月20日衛授食字第1071901823號公告), 以ICP-AES分析. / 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-AES. | 5 | n. d. | 100 |
| 鎘 / Cadmium (Cd) | ppm | | 0.5 | n. d. | 100 |
| 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 |
| 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 | |

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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 | 依據食品器具、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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(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 | 依據食品器具、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 9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-octhl 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 | 依據食品器具、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. | - |
| 鄰苯二甲酸二乙酯 (正庚烷, 25°C, 1小時) / DEP (Diethyl phthalate) (CAS No. : 84-66-2) (n-Heptane, 25°C, 1 hr) (*) | ppm | | 0.05 | n. d. | - |
| 鄰苯二甲酸二甲酯 (正庚烷, 25°C, 1小時) / DMP (Dimethyl phthalate) (CAS No. : 131-11-3) (n-Heptane, 25°C, 1 hr) (*) | ppm | | 0.05 | n. d. | - |
| 三聚氰胺-(4%醋酸, 95°C, 30分鐘) / Melamine-(4% acetic acid, 95°C, 30 min) | ppm | 依據食品器具、容器、包裝檢驗方法-以甲醛-三聚氰胺為合成原料之塑膠類檢驗(107年9月20日衛授食字第1071901850號公告), 以高效能液相層析儀/二極體陣列偵測器(HPLC/DAD)分析。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics with formaldehyde-melamine as raw material for synthesis (MOHW Food No. 1071901850 announced, Sep 20, 2018). Analysis was performed by HPLC/DAD. | 0.5 | n. d. | - |

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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. "-" = Not Regulated (無規格值)
5. (*) : 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.
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.)

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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) **