Test Report 測試報告

Number 報告號碼 : TWNC01446382

Issue Date 報告發行日期 : Jun 08, 2026

Applicant: 申請廠商
Fu Deng Plastic Co., Ltd.
福登塑膠有限公司
No. 7, Lane 40, Zhongshan Road,
Rende Dist, Tainan City 71752,
Taiwan (R.O.C.)
台灣 71752 台南市仁德區中山路 40 巷 7 號

Sample Description 樣品敘述:

One (1) group of submitted samples said to Be:
壹(一)件所送檢樣品據指為:

Name Of Sample 樣品名稱	: Collapsible Water Container 摺疊式水箱
Country of Origin 原產地	: Taiwan 台灣
Goods Exported to 外銷國家	: Worldwide 全球
Manufacturer 製造廠商	: Fu Deng Plastic Co., Ltd. 福登塑膠有限公司
Date Sample Received 樣品收到日期	: Apr 23, 2026
Date Test Started 開始測試日期	: Apr 23, 2026

Test Conducted 測試內容:

Tests were conducted by applicant's request, for details please refer to attached pages.
依據客戶要求執行測試，結果請參考附頁。

Authorized By 審核者:
On behalf of Intertek Testing Services Taiwan Limited
全國公證檢驗股份有限公司

Matt Wang 王政雄
General Manager 總經理

Signed by 報告簽署人:

Thomas Chou 周世民
Manager 經理

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Conclusion 結論:

Tested Sample 測試樣品	Standard 標準	Result 結果
Tested Component of Submitted Samples 測試部位	Overall Migration Test for Repeated Use Plastic Food Contacting Materials/Articles 與食品接觸的重複性使用塑膠材質或產品之總溶出測試 – As per European Commission Regulation (EU) No. 10/2011 and its amendments 依據歐盟法規 EU No. 10/2011 及其更新法案	Pass 合格 (#1)(#2)
	Specific Migration of Heavy Metal Test for Repeated Use Plastic Food Contacting Materials/Articles 與食品接觸的重複性使用塑膠材質或產品之特定溶出重金屬測試 – As per European Commission Regulation (EU) No. 10/2011 and its amendments 依據歐盟法規(EU) No. 10/2011 及其更新法案	Pass 合格 (#1)(#2)

Remarks: #1 = As requested by the applicant, the test was conducted only on components listed in this report. Other components were not tested.
備註 依據客戶要求，僅測試列於此份報告的測試部位，其餘部位並未執行。
#2 = As per applicant's request, the submitted samples were cut before test.
依據客戶要求，樣品經裁切後測試。

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Test Conducted 測試內容：

1. Overall Migration Test for Repeated Use Plastic Food Contacting Materials/Articles
與食品接觸的重複性使用塑膠材質或產品之總溶出測試

As per Commission Regulation (EU) No. 10/2011 and its Amendments, the migration test shall be carried out three times on a signal tested sample for repeated use materials and articles.
依據歐盟法規 EU No. 10/2011 及其更新法案，此溶出測試針對重複性使用材質與物品，單一測試樣品須執行三次溶出測試。

I. Test Condition 測試條件:
OM 2 : 40 ℃ for 10 days 天

II. Test Result 測試結果:
Food Simulant 食物模擬液: 3%(w/v) acetic acid 醋酸

Tested Component 測試部位	Result (mg/dm²) 結果 (毫克/平方公寸)			Limit (mg/dm²) 限值 (毫克/平方公寸)
	1st Test 第一次測試	2nd Test 第二次測試	3rd Test 第三次測試	
Semitransparent plastic sheet (see arrow)	2	1	ND	10

Remarks: ND = Not detected 未檢測出
備註 Detection limit 偵測極限 = 1 mg/dm² 毫克/平方公寸
Solvents & test condition were selected based on applicant's request.
依據客戶要求選擇測試條件及模擬之測試液。
According to point 3.3.2 in Annex V to (EU) No. 10/2011 amended by (EU) No. 2020/1245, the overall migration in the second test shall not exceed the level observed in the first test, and the overall migration in the third test shall not exceed the level observed in the second test. Compliance with the overall migration limit shall be verified on the basis of the level of the overall migration found in the third test.
根據(EU) No. 10/2011 及其更新指令(EU) No. 2020/1245 附錄 V 第 3.3.2 點，第二次總溶出測試結果不得超過第一次測試結果，且第三次總溶出測試結果不得超過第二次測試結果。總溶出測試的符合性應由第三次測試結果是否符合總溶出限值來判定。

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Test Conducted 測試內容：

2. Specific Migration of Heavy Metal Test for Repeated Use Plastic Food Contacting Materials/Articles
與食品接觸的重複性使用塑膠材質或產品之特定溶出重金屬測試

As per Commission Regulation (EU) No. 10/2011 and its amendments, the migration test shall be carried out three times on a signal tested sample for repeated use materials and articles.
依據歐盟法規 EU No. 10/2011 及其更新法案，此溶出測試針對重複性使用材質與物品，單一測試樣品須執行三次溶出測試。

I. Test Condition 測試條件:
40℃ for 10 days 天

II. Test Result 測試結果:
Food simulant 食物模擬液: 3%(w/v) acetic acid 醋酸
Tested Component 測試部位: Semitransparent plastic sheet (see arrow)(#3)

Element 元素	Result (mg/kg food) 結果 (毫克/仟克) 1st Test 第一次測試	2nd Test 第二次測試	3rd Test 第三次測試	Detection Limit (mg/kg food) 偵測極限 (毫克/仟克)	Limit (mg/kg food) 限值 (毫克/仟克)
Aluminium (Al) 鋁	ND	ND	ND	0.1	1
Antimony (Sb) 銻	ND	ND	ND	0.01	0.04
Arsenic (As) 砷	ND	ND	ND	0.01	ND
Barium (Ba) 鋇	ND	ND	ND	0.1	1
Cadmium (Cd) 鎘	ND	ND	ND	0.002	ND
Chromium (Cr) 鉻	ND	ND	ND	0.01	ND
Cobalt (Co) 鈷	ND	ND	ND	0.03	0.05
Copper (Cu) 銅	ND	ND	ND	1	5
Iron (Fe) 鐵	ND	ND	ND	5	48
Lead (Pb) 鉛	ND	ND	ND	0.01	ND
Lithium (Li) 鋰	ND	ND	ND	0.1	0.6
Manganese (Mn) 錳	ND	ND	ND	0.1	0.6
Mercury (Hg) 汞	ND	ND	ND	0.01	ND
Nickel (Ni) 鎳	ND	ND	ND	0.01	0.02
Zinc (Zn) 鋅	ND	ND	ND	1	5
Europium (Eu) 銪	ND	ND	ND	0.01	0.05
Gadolinium (Gd) 釓	ND	ND	ND	0.01	0.05
Lanthanum (La) 鑭	ND	ND	ND	0.01	0.05
Terbium (Tb) 鋱	ND	ND	ND	0.01	0.05
Sum of Eu, Gd, La and Tb 銪、釓、鑭及鋱的總和	ND	ND	ND	--	0.05
Ammonium (NH_4+) 銨鹽	ND	ND	ND	50	--
Calcium (Ca) 鈣	ND	ND	ND	10	--
Magnesium (Mg) 鎂	ND	ND	ND	10	--
Potassium (K) 鉀	ND	ND	ND	10	--
Sodium (Na) 鈉	ND	ND	ND	10	--

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Test Conducted 測試內容：

Remarks: ND = Not detected 未檢測出
備註 #3 = The result was expressed in mg/kg applying a surface to volume ratio of 6 dm² per kg, which was quoted for samples that are sheet, film or other material or articles which cannot be filled or for which it is impracticable to estimate the relationship between the surface area of such material or article and the quantity of food in contact therewith.
樣品為薄片、薄膜或不可填充的材料或製品，由於無法估計樣品接觸食物的表面積，測試結果以 6 dm^2/kg 調整，並以 mg/kg 表示

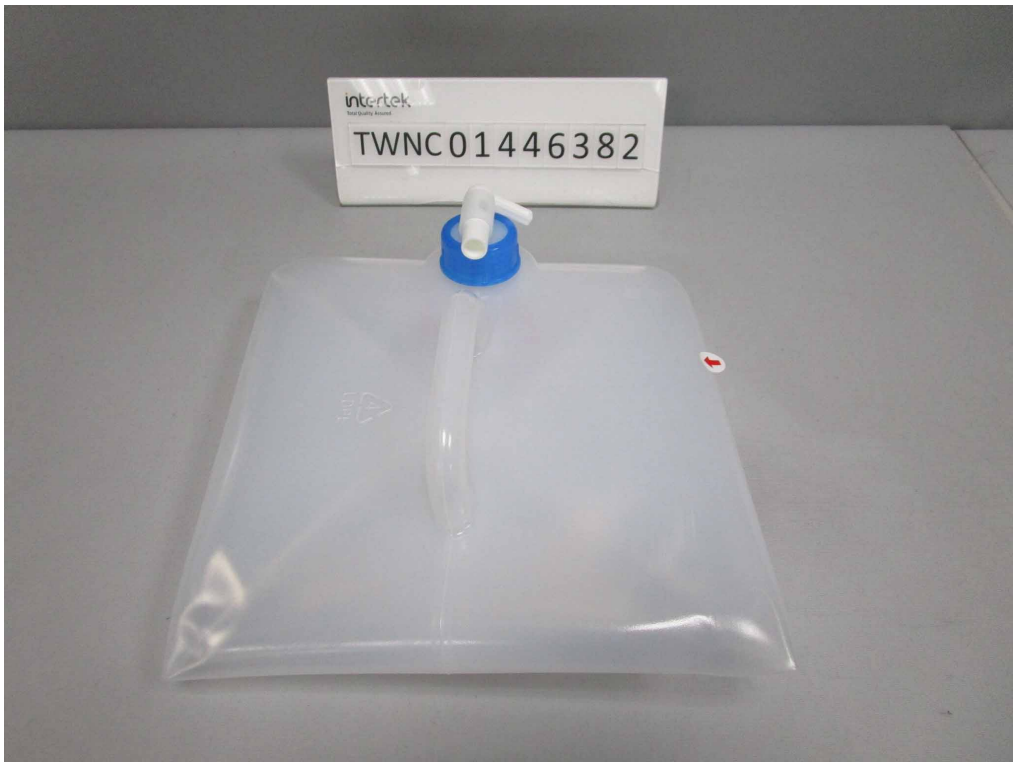
Solvents & test condition were selected based on applicant's request.
依據客戶要求選擇測試條件及模擬之測試液。

According to point 2.1.6 in Annex V to (EU) No. 10/2011 amended by (EU) No. 2020/1245, the specific migration in the second test shall not exceed the level observed in the first test, and the specific migration in the third test shall not exceed the level observed in the second test. Compliance with the specific migration limit shall be verified on the basis of the level of the specific migration found in the third test.
根據(EU) No. 10/2011 及其更新指令(EU) No. 2020/1245 附錄 V 第 2.1.6 點，第二次特定溶出測試結果不得超過第一次測試結果，且第三次特定溶出測試結果不得超過第二次測試結果。特定溶出測試的符合性應由第三次測試結果是否符合特定溶出限值來判定。

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Sample photo 樣品照片：

The tested part is indicated with the red arrow on the sample photo
樣品中紅色箭頭表示實際測試樣品部位



End of Report

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