



检测报告

Test Report

报告编号 A2250625635101001E
Report No. A2250625635101001E

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报告抬头公司名称 福建万凯包装有限公司

Company Name United Brands

shown on Report

地址

Address

170 Associated Rd

South San Francisco, CA 94080

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	PET 塑料瓶
Sample Name	Pet bottle
规格	500ml
Specification	500ml
样品数量	20 瓶
Quantity	20
样品接收日期	2025.08.26
Sample Received Date	Aug. 26, 2025
样品检测日期	2025.08.26-2025.09.11
Testing Period	Aug. 26, 2025 to Sep. 11, 2025

测试内容 Test Conducted:

根据客户的申请要求, 具体要求详见下一页。

As requested by the applicant. For details refer to next page(s).

检测结论 Test Conclusion

所检项目的检测结果满足 GB 4806.7-2023 食品安全国家标准 食品接触用塑料材料及制品的限值要求。

The results of the test items shown on the report comply with the required limits of GB 4806.7-2023 National food safety standard Plastic materials and products for food contact.

批准

Approved by

郑晴涛

郑晴涛

技术经理 Technical Manager

2025.09.11

No. V320833896

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华测检测认证集团股份有限公司

Centre Testing International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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测试摘要 Executive Summary:

测试要求

TEST REQUEST

- GB 4806.7-2023 食品安全国家标准 食品接触用塑料材料及制品 National food safety standard Plastic materials and products for food contact
- 感官要求 Sensory Requirements
 - 总迁移量 Overall migration
 - 高锰酸钾消耗量 Potassium permanganate wastage
 - 重金属(以 Pb 计) Heavy metal(as Pb)

测试结果

CONCLUSION

符合 PASS
符合 PASS
符合 PASS
符合 PASS

符合(不符合)表示检测结果满足(不满足)限值要求。
PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

*****详细结果，请见下页*****
***** For further details, please refer to the following page(s) *****

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GB 4806.7-2023 食品安全国家标准 食品接触用塑料材料及制品 National food safety standard Plastic materials and products for food contact

▼ 感官要求 Sensory Requirements
测试方法 Test Method: GB 4806.7-2023

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	要求 Requirement	单位 Unit
	001			
感官 Sense	色泽正常，无异臭、不洁物等 Normal color and luster, no foreign smell, no impurity	--	色泽正常，无异臭，不洁物等 Normal color and luster, no foreign smell, no impurity	--
浸泡液 Immersion solution	迁移试验所得浸泡液无浑浊、沉淀、异臭等感官性能的劣变 The immersion solution that got from the migration test had no sensory deterioration such as turbidity, sedimentation or odor	--	迁移试验所得浸泡液无浑浊，沉淀，异臭等感官性能的劣变 The immersion solution that got from the migration test had no sensory deterioration such as turbidity, sedimentation or odor	--

▼ 总迁移量 Overall migration
测试方法 Test Method: GB 31604.8-2021

食品模拟物 Food Simulant(s): 10%乙醇 10% ethanol;
检测条件 Test Condition: 40℃, 10d;
浸泡方式 Immersion Method: 灌装法 Filling method; 迁移次数 Migration times: 1; 面积/体积 Area-Volume Ratio(S/V): 6.9 dm²/L

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	指标 Limit	单位 Unit
	001			
总迁移量 Overall migration	N.D.	3.0	≤10	mg/dm²

食品模拟物 Food Simulant(s): 异辛烷（植物油替代物）Iso-octane(Vegetable oil substitute);
检测条件 Test Condition: 20℃, 2d**;
浸泡方式 Immersion Method: 灌装法 Filling method; 迁移次数 Migration times: 1; 面积/体积 Area-Volume Ratio(S/V): 6.9 dm²/L; 校正因子 Reduction Factor: 1

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	指标 Limit	单位 Unit
	001			
总迁移量 Overall migration	N.D.	3.0	≤10	mg/dm²

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▼高锰酸钾消耗量 Potassium permanganate wastage
测试方法 Test Method: GB 31604.2-2016

食品模拟物 Food Simulant(s): 水 Water;
检测条件 Test Condition: 60℃, 2h;
浸泡方式 Immersion Method: 灌装法 Filling method; 迁移次数 Migration times: 1; 测试体积 Test Volume(V): 500 mL

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	指标 Limit	单位 Unit
	001			
高锰酸钾消耗量 Potassium permanganate wastage	N.D.	1.0	≤10	mg/kg

▼重金属(以 Pb 计)Heavy metal(as Pb)
测试方法 Test Method: GB 31604.9-2016 第一法 GB 31604.9-2016 The first method

食品模拟物 Food Simulant(s): 4%乙酸 4% acetic acid;
检测条件 Test Condition: 60℃, 2h;
浸泡方式 Immersion Method: 灌装法 Filling method; 迁移次数 Migration times: 1; 测试体积 Test Volume(V): 500 mL

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	指标 Limit	单位 Unit
	001			
铅 Lead (Pb)	<1	—	≤1	mg/kg

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- MQL = 方法定量限 Method Quantification Limit
- N.D. = 未检出 (小于方法检出限或方法定量限) Not Detected (<MDL or MQL)
- mg/kg = ppm = 百万分之一 parts per million
- “浸泡液”项目的结果依据此报告中所有浸泡液浸泡测试的情况进行判定。
The result(s) of the test item “Immersion solution” is(are) based on the condition(s) of all immersion solution used during immersion test(s) in this report.
- ** = 项目条件参照 GB/T 23296.1-2009 选择 With reference to GB/T 23296.1-2009 for selection of test condition

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	透明塑料 (瓶内壁) Transparent plastic(inner)

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样品图片

Photo(s) of the sample(s)



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1. 本报告无批准人签字、“专用章”及报告骑缝章无效;
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI 未核实其真实性;
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受 (w=0) 二元判定规则进行符合性判定;
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*** 报告结束 ***
*** End of Report ***