

## Test Report

(Chemical & Microbiology Laboratory)

Applicant 申請廠商 :



Number 報告號碼 : TWNC01069688

Date 報告發行日期 : Apr 07, 2022

**Sample Description 樣品敘述:**

Name of Sample 樣品名稱	: (A)真空袋 (B)真空袋 PE 膜(原材料)
Batch No. 批號	: --
Manufacturing Date (MFG) 製造日期	: --
Expiry Date (EXP) 有效日期	: --
Material Composition 樣品材質	: (A)ONY/LLDPE(B)LLDPE
Responsible Domestic Company 國內負責廠商	: --
Manufacturer 製造商	: --
Buyer 買家	: --
Country of Origin 原產地	: --
Sample Amount 樣品數量	: (A) 1 Units/1 捲/(B) 1 Units/1 捲
Sample Storage Condition 樣品保存方式	: Room Temperature 常溫
Sample Received Status 樣品包裝狀態	: as Attached Photos 如照片所示
Remark 備註	: Besides the sample amount and sample received status, all information above was provided by the applicant. 以上資料除樣品數量及樣品包裝狀態外，皆由申請廠商提供
Date Sample Received 收樣日期	: Mar 25, 2022
Date Test Conducted 測試日期	: Mar 25, 2022 ~ Apr 07, 2022

**Test Conducted 測試內容** (\* is MOHW accredited and test was conducted according to the accredited method 標記 \* 者指該項經衛生福利部認證且依認證之檢驗方法執行測試) :

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

1. Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages  
塑膠類食品器具容器包裝之耐熱溫度符合性
2. Analysis of Food Utensils, Containers and Packages - Polyethylene (PE) as Raw Material  
食品器具容器包裝檢測 - 原材料為聚乙烯(PE)

Intertek Testing Services Taiwan Limited

全國公證檢驗股份有限公司

Report Signed by 報告簽署人:

*Thomas Chou*

*Max Shih*



Thomas Chou/Manager Max Shih/Manager

*Only test results from the conducted parameters applied by applicant are provided. No legitimacy of the product is determined.*

檢驗報告僅就委託者之委託事項提供檢驗結果，不對產品合法性作判斷。

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Test Conducted 測試內容 :

1. Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages

塑膠類食品器具容器包裝之耐熱溫度符合性

**Method** : MOHW Food No. 1061902219 Announcement (11/13/2017) Methods of Test for Labeling  
**檢驗方法** : Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHWU0023.02).  
衛生福利部 106 年 11 月 13 日衛授食字第 1061902219 號公告修正塑膠類食品器具容器包裝之耐熱溫度標示符合性試驗方法(MOHUW0023.02)。

**Result** :  
**檢驗結果** :

Test Item 檢驗項目	Result 檢出結果 (1)
* Heat Resistance Test 耐熱試驗 (100 °C , 1 hr) (100 °C , 1 小時)	No change of functionality and color. 功能性未受影響，無變褪色

由於真空內袋直接接觸寶寶副食品，QBEBE 特地要求原廠每年皆須提供檢驗報告。報告結果合格，關於塑化劑方面，包括材質試驗 8 種、溶出試驗 6 種（含 DEHA），全數【未檢出】；另外，著色劑亦是【未檢出】，並通過耐熱性測試。

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Test Conducted 測試內容 :

**2. Analysis of Food Utensils, Containers and Packages - Polyethylene (PE) as Raw Material**  
**食品器具容器包裝檢測 - 原材料為聚乙烯(PE)**

Method : Lead (Pb) / Cadmium (Cd)

檢驗方法 鉛含量 / 鎘含量

MOHW Food No. 1071901780 Announcement (9/17/2018) Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene Plastic Products (MOHWU0008.03). (The application scope of test method was expanded by laboratory to conduct testing to the sample matrix. It was not within the certification scope of TFDA.)  
衛生福利部 107 年 9 月 17 日衛授食字第 1071901780 號公告修正食品器具、容器、包裝檢驗方法 - 聚乙烯塑膠類之檢驗(MOHU0008.03)。(實驗室擴充原方法適用基質，非屬食藥署該項認證範圍。)

Consumption of Potassium Permanganate / Heavy Metals (as Pb) / Residues after Evaporation

高錳酸鉀消耗量 / 重金屬(以 Pb 計) / 蒸發殘渣

MOHW Food No. 1071901780 Announcement (9/17/2018) Methods of Test for Food Utensils, Containers and Packages - Test of Polyethylene Plastic Products (MOHWU0008.03).

衛生福利部 107 年 9 月 17 日衛授食字第 1071901780 號公告修正食品器具、容器、包裝檢驗方法 - 聚乙烯塑膠類之檢驗(MOHU0008.03)。

Migration of Phthalates / Coloring Agents

溶出塑化劑 / 著色劑

MOHW Food No. 1071901983 Announcement (10/4/2018) Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Products (MOHWU0028.04).

衛生福利部 107 年 10 月 4 日衛授食字第 1071901983 號公告修正食品器具、容器、包裝檢驗方法 - 塑膠類之檢驗(MOHU0028.04)。

Phthalates

材質塑化劑

With reference to CNS 15138-1 (6/14/2012) - Method of test for determination of phthalates plasticizers in plastic products - Part 1: Gas chromatography/mass spectrometry.

參考 CNS 15138-1 (101 年 6 月 14 日) - 塑膠製品中鄰苯二甲酸酯類塑化劑試驗法-第 1 部：氣相層析質譜法。



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2. Analysis of Food Utensils, Containers and Packages - Polyethylene (PE) as Raw Material  
食品器具容器包裝檢測 - 原材料為聚乙烯(PE)

Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值 (2)
<b>Material Test</b> 材質試驗			
Lead (Pb) 鉛含量	ppm	5	Not detected 未檢出
Cadmium (Cd) 鎘含量	ppm	0.5	Not detected 未檢出
Di(2-ethylhexyl) Phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯(DEHP)	%	0.003	Not detected 未檢出
Di-n-octyl Phthalate (DNOP) 鄰苯二甲酸二正辛酯(DNOP)	%	0.003	Not detected 未檢出
Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯(DBP)	%	0.003	Not detected 未檢出
Benzylbutyl Phthalate (BBP) 鄰苯二甲酸丁苯甲酯(BBP)	%	0.003	Not detected 未檢出
Diisodecyl Phthalate (DIDP) 鄰苯二甲酸二異癸酯(DIDP)	%	0.003	Not detected 未檢出
Diisononyl Phthalate (DINP) 鄰苯二甲酸二異壬酯(DINP)	%	0.003	Not detected 未檢出
Dimethyl Phthalate (DMP) 鄰苯二甲酸二甲酯(DMP)	%	0.003	Not detected 未檢出
Diethyl Phthalate (DEP) 鄰苯二甲酸二乙酯(DEP)	%	0.003	Not detected 未檢出



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Test Conducted 測試內容 :

2. Analysis of Food Utensils, Containers and Packages - Polyethylene (PE) as Raw Material

食品器具容器包裝檢測 - 原材料為聚乙烯(PE)

Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值 (3)	Limit # 限值
<b>Migration Test</b> 溶出試驗				
* Consumption of Potassium Permanganate 高錳酸鉀消耗量 (Water, 95°C, 30 min) (水、95°C、30分鐘)	ppm	0.2	1.3	10
* Heavy Metals (as Pb) 重金屬(以 Pb 計) (4% Acetic Acid, 95°C, 30 min) (4% 醋酸、95°C、30分鐘)	ppm	1	< 1	1
* Residues after Evaporation (pH>5) 蒸發殘渣(pH>5) (Water, 95°C, 30 min) (水、95°C、30分鐘)	ppm	1	9	30
* Residues after Evaporation (pH≤5) 蒸發殘渣(pH≤5) (4% Acetic Acid, 95°C, 30 min) (4% 醋酸、95°C、30分鐘)	ppm	1	4	30
* Residues after Evaporation (Oils and Fatty Foods) 蒸發殘渣(油脂/脂肪性食品) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	1	Not detected 未檢出	30
* Residues after Evaporation (Alcoholic Beverages) 蒸發殘渣(酒類) (20% Alcohol, 60°C, 30 min) (20%酒精、60°C、30分鐘)	ppm	1	3	30
* Di(2-ethylhexyl) Phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯(DEHP) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.05	Not detected 未檢出	1.5



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2. Analysis of Food Utensils, Containers and Packages - Polyethylene (PE) as Raw Material  
食品器具容器包裝檢測 - 原材料為聚乙烯(PE)

Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值 (3)	Limit # 限值
<b>Migration Test 溶出試驗</b>				
* Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯(DBP) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.05	Not detected 未檢出	0.3
* Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸丁苯甲酯(BBP) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.05	Not detected 未檢出	30
* Di-(Iso-Nonyl) Phthalate (DINP) 鄰苯二甲酸二異壬酯(DINP) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.5	Not detected 未檢出	9
* Di-(Iso-Decyl) Phthalate (DIDP) 鄰苯二甲酸二異癸酯(DIDP) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.5	Not detected 未檢出	9
* Bis(2-ethylhexyl) Adipate (DEHA) 己二酸二辛酯(DEHA) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	ppm	0.05	Not detected 未檢出	18
* Coloring Agents (pH>5) 著色劑(pH>5) (Water, 95°C, 30 min) (水、95°C、30分鐘)	--	--	Not detected 未檢出	No migration 著色劑 無溶出
* Coloring Agents (pH≤5) 著色劑(pH≤5) (4% Acetic Acid, 95°C, 30 min) (4%醋酸、95°C、30分鐘)	--	--	Not detected 未檢出	No migration 著色劑 無溶出



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Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值 (3)	Limit # 限值
<b>Migration Test</b> 溶出試驗				
* Coloring Agents (Oils and Fatty Foods) 著色劑(油脂/脂肪性食品) (n-Heptane, 25°C, 1 hour) (正庚烷、25°C、1小時)	--	--	Not detected 未檢出	No migration 著色劑 無溶出
* Coloring Agents (Alcoholic Beverages) 著色劑(酒類) (20% Alcohol, 60°C, 30 min) (20%酒精、60°C、30分鐘)	--	--	Not detected 未檢出	No migration 著色劑 無溶出

# : As per MOHW Food No. 1021350146 Announcement (8/20/2013) - Sanitation Standard for Food Utensils, Containers and Packages.

依據衛生福利部 102 年 8 月 20 日部授食字第 1021350146 號公告「食品器具容器包裝衛生標準」  
CNS : Chinese National Standards 中華民國國家標準

Tested Components 測試部位:

- (1) Multicolored plastic film (A) 彩色塑膠膜 (A)
- (2) Transparent plastic film (B) 透明塑膠膜 (B)
- (3) Transparent plastic film (food contact surface)(A) 透明塑膠膜 (與食物接觸面)(A)



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Photo 樣品照片 :



- End of Report 結束 -

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