

## Test Report 測試報告

Applicant 申請廠商 : Wholepack Inc.  
清新科技股份有限公司  
No. 8, Gongyequ 30th Rd.,  
Xitun Dist., Taichung City 40768,  
Taiwan, R.O.C.  
台中市西屯區工業區三十路 8 號

Number 報告號碼 : TWNC00906750  
Issue Date 報告發行日期 : Aug 11, 2020

### 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 : PP 杯蓋

樣品名稱

Country of Origin : Taiwan

原產地

Manufacturer : Wholepack Inc.

製造廠商

Date Sample Received : Aug 03, 2020

樣品收到日期

Date Test Started : Aug 03, 2020

開始測試日期

### Test Conducted 測試內容:

Tests were conducted by applicant's request, for details please refer to attached pages.

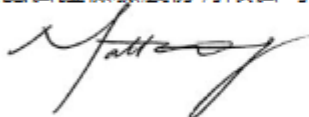
依據客戶要求執行測試，結果請參考附頁。

### 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

Sr. Manager 資深經理

### Signed by 報告簽署人:



Thomas Chou 周世民

Manager 經理



Number 報告號碼 : TWNC00906750

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.  
衛生福利部 106 年 11 月 13 日衛授食字第 1061902219 號公告 - 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。

Result :  
檢驗結果

Test Item 檢驗項目	Result 檢出結果
Heat Resistance Test 耐熱試驗 (120 °C , 1 hr) (120 °C , 1 小時)	<b>Black plastic lid (see arrow in photo)</b>  No change of functionality and color. 功能性未受影響，無變褪色



Test Conducted 測試內容 :

**2. Analysis of Food Utensils, Containers and Packages - Polypropylene (PP) as Raw Material**

**食品器具容器包裝檢測 - 原材料為聚丙烯(PP)**

Method : Lead (Pb) / Cadmium (Cd) / Consumption of Potassium Permanganate / Heavy Metals (as Pb) / Residues after Evaporation  
 檢驗方法 鉛含量 / 鎘含量 / 高錳酸鉀消耗量 / 重金屬(以 Pb 計) / 蒸發殘渣  
 MOHW Food No. 1071901787 Announcement (9/17/2018) - Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene Plastic Products.  
 衛生福利部 107 年 9 月 17 日衛授食字第 1071901787 號公告 - 食品器具、容器、包裝檢驗方法 - 聚丙烯塑膠類之檢驗。

**Migration of Phthalates**

溶出塑化劑  
 MOHW Food No. 1071901983 Announcement (10/4/2018) - Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Products.  
 衛生福利部 107 年 10 月 4 日衛授食字第 1071901983 號公告 - 食品器具、容器、包裝檢驗方法 - 塑膠類之檢驗。

**Phthalates**

材質塑化劑  
 As per CNS 15138-1 (6/14/2012) - Method of test for determination of phthalates plasticizers in plastic products - Part 1: Gas chromatography/mass spectrometry.  
 依據 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。

Result :  
 檢驗結果

Test Item 檢驗項目	Unit 單位	Detection Limit 定量極限	Result 檢出值  Black plastic lid (see arrow in photo)	Limit# 限值
<b>Material Test 材質試驗</b>				
Lead (Pb) 鉛含量	ppm	5	Not detected 未檢出	100
Cadmium (Cd) 鎘含量	ppm	0.5	Not detected 未檢出	100
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	0.1
Di-n-octyl Phthalate (DNOP) 鄰苯二甲酸二正辛酯(DNOP)	%	0.003	Not detected 未檢出	0.1
Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯(DBP)	%	0.003	Not detected 未檢出	0.1
Benzylbutyl Phthalate (BBP) 鄰苯二甲酸丁苯甲酯(BBP)	%	0.003	Not detected 未檢出	0.1
Diisodecyl Phthalate (DIDP) 鄰苯二甲酸二異癸酯(DIDP)	%	0.003	Not detected 未檢出	0.1
Diisononyl Phthalate (DINP) 鄰苯二甲酸二異壬酯(DINP)	%	0.003	Not detected 未檢出	0.1
Dimethyl Phthalate (DMP) 鄰苯二甲酸二甲酯(DMP)	%	0.003	Not detected 未檢出	0.1
Diethyl Phthalate (DEP) 鄰苯二甲酸二乙酯(DEP)	%	0.003	Not detected 未檢出	0.1



Test Conducted 測試內容 :

**2. Analysis of Food Utensils, Containers and Packages - Polypropylene (PP) as Raw Material**

**食品器具容器包裝檢測 - 原材料為聚丙烯(PP)**

Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Detection Limit 定量極限	Result 檢出值  Black plastic lid (see arrow in photo)	Limit# 限值
<b>Migration Test 溶出試驗</b>				
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	3	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
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
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



Number 報告號碼 : TWNC00906750

Test Conducted 測試內容 :

**2. Analysis of Food Utensils, Containers and Packages - Polypropylene (PP) as Raw Material**

**食品器具容器包裝檢測 - 原材料為聚丙烯(PP)**

Result :  
檢驗結果

Test Item 檢驗項目	Unit 單位	Detection Limit 定量極限	Result 檢出值	Limit <sup>#</sup> 限值
<b>Migration Test 溶出試驗</b>				
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

# : 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

As requested by applicant, the test was conducted only on components listed in this report. Other components were not tested.

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。



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



Number 報告號碼 : TWNC00906750

Sample photo 樣品照片 :



End of Report 結束

*Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek-twn.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.*

*This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.*

**Reporting Statements of Conformity:** Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.



Page 7 of 7

