

Test Report 測試報告

Applicant: Wholepack Inc.
申請廠商 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 : TWNC01289136
報告號碼

Issue Date : Aug 01, 2024
報告發行日期

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

MFG : 113 年 7 月

製造日期

Country of Origin : Taiwan

原產地 台灣

Manufacturer : Wholepack Inc.

製造廠商 清新科技股份有限公司

Date Sample Received : Jul 22, 2024

樣品收到日期

Date Test Started : Jul 22, 2024

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.

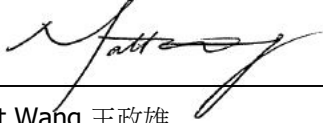
依據客戶要求執行測試，結果請參考附頁。

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

General Manager 總經理



Signed by 報告簽署人:



Thomas Chou 周世民

Manager 經理



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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 Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHWU0023.02).
檢驗方法
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(MOHUWU0023.02)。

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)	No change of functionality and color. 功能性未受影響，無變褪色

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 (MOHWU0007.03).
衛生福利部 107 年 9 月 17 日衛授食字第 1071901787 號公告修正食品器具、容器、包裝檢驗方法 - 聚丙烯塑膠類之檢驗(MOHUWU0007.03)。

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 (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(MOHUWU0028.04)。

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。



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# 限值
Material Test 材質試驗				
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
Benzyl butyl Phthalate (BBP) 鄰苯二甲酸丁苯甲酯(BBP)	%	0.003	Not detected 未檢出	0.1
Di-isodecyl Phthalate (DIDP) 鄰苯二甲酸二異癸酯(DIDP)	%	0.003	Not detected 未檢出	0.1
Di-isononyl 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	Limit# 限值
Migration Test 溶出試驗				
Consumption of Potassium Permanganate 高錳酸鉀消耗量 (Water, 60°C, 30 min) (水、60°C、30分鐘)	ppm	0.2	0.6	10
Heavy Metals (as Pb) 重金屬(以 Pb 計) (4% Acetic Acid, 60°C, 30 min) (4% 醋酸、60°C、30分鐘)	ppm	1	< 1	1
Residues after Evaporation (pH>5) 蒸發殘渣(pH>5) (Water, 60°C, 30 min) (水、60°C、30分鐘)	ppm	1	Not detected 未檢出	30
Residues after Evaporation (Food Containing Surface Oils / Oils and Fatty Foods) 蒸發殘渣(含表面油脂/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	150
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-isononyl 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



Test Conducted 測試內容 :

2. Analysis of Food Utensils, Containers and Packages - Polypropylene (PP) as Raw Material
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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# 限值
Migration Test 溶出試驗				
Di-isodecyl 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
Di-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. 1111303439 Announcement (1/11/2023) - Sanitation Standard for Food Utensils, Containers and Packages.

依據衛生福利部 112 年 1 月 11 日衛授食字第 1111303439 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



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



Sample photo 樣品照片 :



End of Report

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