

## Test Report 測試報告

Applicant: Hos Win Enterprise Co., Ltd.  
申請廠商 禹昌企業股份有限公司  
No. 6-3, Dalun Rd.,  
Dacun Township, Changhua County 51544,  
Taiwan  
彰化縣大村鄉大崙路 6 之 3 號

Number : TWNC01304052  
報告號碼

Issue Date : Sep 26, 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(各)為:

Name of Sample : PAPER FOOD CONTAINER  
樣品名稱 紙類食品容器  
Country of Origin : Taiwan  
原產地 台灣  
Manufacturer : HOS WIN ENTERPRISE CO. LTD.  
製造廠商 禹昌企業股份有限公司  
Date Sample Received : Sep 18, 2024  
樣品收到日期  
Date Test Started : Sep 18, 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

Thomas Chou 周世民  
Manager 經理



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Test Conducted 測試內容 :

**Analysis of Food Utensils, Containers and Packages - Paper (the direct contact surface material with food is plastics / Plastics was listed in Appendix Table 2 Requirements for plastics of Sanitation Standard for Food Utensils, Containers and Packages**

**食品器具容器包裝檢測 - 紙類(與食品直接接觸面之部分為塑膠類者/塑膠材質列於食品器具容器包裝衛生標準附表二)**

Method : Fluorescent brightening agent

檢驗方法 螢光增白劑

MOHW Food No. 1131900762 Announcement (5/7/2024) Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Coated Paper Products (MOHWU0012.02).

衛生福利部 113 年 5 月 7 日衛授食字第 1131900762 號公告修正食品器具、容器、包裝檢驗方法 - 塑膠淋膜紙類製品之檢驗(MOHU0012.02)。

Lead (Pb) / Cadmium (Cd)

鉛含量 / 鎘含量

Sample was digested by microwave and analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

樣品經微波消化後，以感應耦合電漿放射光譜儀(ICP-OES)測定。

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

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(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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**Analysis of Food Utensils, Containers and Packages - Paper (the direct contact surface material with food is plastics / Plastics was listed in Appendix Table 2 Requirements for plastics of Sanitation Standard for Food Utensils, Containers and Packages)**

**食品器具容器包裝檢測 - 紙類(與食品直接接觸面之部分為塑膠類者/塑膠材質列於食品器具容器包裝衛生標準附表二)**

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  White paper bowl (See photo) 白色紙碗 (請見照片)	Limit <sup>#1</sup> 限值
<b>Material Test 材質試驗</b>				
Fluorescent brightening agent (Direct observation) 螢光增白劑(直接觀察法)	--	--	Not detected 未檢出	Not detected 不得檢出
<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	1.1	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	Not detected 未檢出	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	3	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	30



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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  White paper bowl (See photo) 白色紙碗 (請見照片)	Limit <sup>#2</sup> 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
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



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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  White paper bowl (See photo) 白色紙碗 (請見照片)	Limit <sup>#2</sup> 限值
<b>Migration Test 溶出試驗</b>				
Residues after Evaporation (Foods Containing Alcohol) 蒸發殘渣(含酒精成分食品) (20% Alcohol, 60°C, 30 min) (20%乙醇、60°C、30分鐘)	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-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
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

#1 : 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」

#2 : As per applicant's request with reference to MOHW Food No. 1111303439 Announcement (1/11/2023) - Sanitation Standard for Food Utensils, Containers and Packages.

依據客戶要求衛生福利部 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



Number : TWNC01304052  
報告號碼

Sample photo 樣品照片：



Sample photo 樣品照片 :



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## End of Report

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