

Test Report 測試報告

Applicant 申請廠商 : Hos Win Enterprise Co., Ltd.
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 報告號碼 : TWNC01020102
Issue Date 報告發行日期 : Sep 27, 2021

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 14, 2021
樣品收到日期	
Date Test Started	: Sep 15, 2021
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
Director 協理



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 (those in which the portion directly in contact with food is plastics / Plastics was listed in 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(其內部材質與內容物直接接觸之部分為塑膠類者/塑膠材質列於食品器具容器包裝衛生標準表二)

Method : Fluorescent brightening agent

檢驗方法 螢光增白劑

MOHW Food No. 1021950329 Announcement (9/6/2013) Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Coated Paper Products (MOHWU0012.01).

衛生福利部 102 年 9 月 6 日部授食字第 1021950329 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(MOHUWU0012.01)。

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).(The application scope of test method was expanded by laboratory to conduct testing to the sample matrix.)

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(MOHUWU0008.03)。

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)。

Lead (Pb) / Cadmium (Cd)

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).

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(MOHUWU0008.03)(實驗室擴充原方法適用基質。)

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.(The application scope of test method was expanded by laboratory to conduct testing to the sample matrix.)

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。(實驗室擴充原方法適用基質。)



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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 (1)	Limit [#] 限值
Material Test 材質試驗				
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

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值 (2)	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
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



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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
Migration Test 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	3	Not detected 未檢出	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	10	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	10	Not detected 未檢出	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	10	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	10	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



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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
Migration Test 溶出試驗				
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

[#] : 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」

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。

As per applicant's request, the limit of quantitation for consumption of potassium permanganate was adjusted to 3 ppm, the limit of quantitation for residues after evaporation was adjusted to 10 ppm.

依據客戶要求，高錳酸鉀消耗量定量極限調整至 3ppm；蒸發殘渣定量極限調整至 10 ppm。

CNS : Chinese National Standards 中華民國國家標準



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Tested Components 測試部位 :

- (1) White paper bowl (see arrow) 白色紙碗 (請見箭頭)
 - (2) White paper bowl with film (see arrow) 白色紙碗含淋膜 (請見箭頭)
 - (3) Transparent plastic film (food contact surface)(see arrow) 透明塑膠淋膜 (與食物接觸面)(請見箭頭)
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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



End of Report 結束

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