

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
515-44 彰化縣大村鄉大崙路 6-3 號

Number : TWNC01321708
報告號碼

Issue Date : Dec 11, 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 : PS FOAM CONTAINER BLACK COLOR
樣品名稱 PS 食品容器(黑色)

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 : Nov 25, 2024
樣品收到日期

Date Test Started : Nov 25, 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 - Polystyrene (PS) as Raw Material

食品器具容器包裝檢測 - 原材料為聚苯乙烯(PS)

Method : Lead (Pb) / Cadmium (Cd) / Volatile Compounds / Consumption of Potassium
檢驗方法 Permanganate / Heavy Metals (as Pb) / Residues after Evaporation
鉛含量 / 鎘含量 / 揮發性物質 / 高錳酸鉀消耗量 / 重金屬(以 Pb 計) / 蒸發殘渣
MOHW Food No. 1071901800 Announcement (9/20/2018) Methods of Test for Food
Utensils, Containers and Packages - Test of Polystyrene (PS) Plastic Products
(MOHWU0030.02).
衛生福利部 107 年 9 月 20 日衛授食字第 1071901800 號公告修正食品器具、容器、包裝檢
驗方法 - 聚苯乙烯塑膠類之檢驗(MOHU0030.02)。

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

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	Limit of quantitation 定量極限	Result 檢出值 <u>Black plastic container</u> 黑色塑膠容器	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



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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 <u>Black plastic container</u> 黑色塑膠容器	Limit # 限值
Material Test 材質試驗				
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
Volatile Compounds - Styrene 揮發性物質-苯乙烯	ppm	10	187	1000
Volatile Compounds - Toluene 揮發性物質-甲苯	ppm	10	Not detected 未檢出	--
Volatile Compounds - Ethyl Benzene 揮發性物質-乙苯	ppm	10	Not detected 未檢出	1000
Volatile Compounds - N-Propyl Benzene 揮發性物質-正丙苯	ppm	10	Not detected 未檢出	--
Volatile Compounds - Iso-propylbenzene 揮發性物質-異丙苯	ppm	10	Not detected 未檢出	--
Sum of Above Volatile Compounds 上列五種揮發性物質總和	ppm	--	187	2000



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Result :
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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 (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	10	Not detected 未檢出	240
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	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 :
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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-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

: 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

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 raised from 0.2 ppm to 3 ppm and the limit of quantitation for residues after evaporation were raised from 1 ppm to 10 ppm.

依據客戶要求，溶出試驗-高錳酸鉀消耗量的定量極限由 0.2 ppm 上修至 3 ppm；蒸發殘渣的定量極限由 1 ppm 上修至 10 ppm。



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

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