

## Test Report

(Chemical & Microbiology Laboratory)

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, R.O.C.

彰化縣大村鄉大崙路 6 之 3 號

Number 測試報告號碼 : TWNC01296723

Date 報告發行日期 : Aug 29, 2024

### Sample Description 樣品敘述:

Name of Sample 樣品名稱 : BLACK ABSORBENT FOAM TRAY PS 黑色吸水托盤

Batch No. 批號 : --

Manufacturing Date (MFG) 製造日期 : --

Expiry Date (EXP) 有效日期 : --

Material Composition 樣品材質 : PS+5% 吸水劑

Responsible Domestic Company 國內負責廠商 : Hos Win Enterprise Co., Ltd.

禹昌企業股份有限公司

Manufacturer 製造商 : --

Country of Origin 原產地 : Taiwan 台灣

Sample Amount 樣品數量 : 20 Units 20 件

Sample Storage Condition 樣品保存方式 : Room Temperature 常溫

Sample Received Status 樣品包裝狀態 : as Attached Photos 如照片所示

Remarks 備註 : Besides the sample amount and sample received status, all information above was provided by the applicant. 以上資料除送樣數量及樣品包裝狀態外，皆由申請廠商提供

Date Sample Received 收樣日期 : Aug 20, 2024

Date Test Conducted 測試日期 : Aug 20, 2024 ~ Aug 29, 2024

Test Conducted 測試內容 (\* is MOHW accredited and test was conducted according to the accredited method 標記 \* 者指該項經衛生福利部認證且依認證之檢驗方法執行測試) :

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

依據客戶要求執行以下測試，結果請參考附頁。

Intertek Testing Services Taiwan Limited

全國公證檢驗股份有限公司

Report Signed by 報告簽署人:

Thomas Chou

Max Shih



Thomas Chou/Manager Max Shih/Manager

*Only test results from the conducted parameters applied by applicant are provided. No legitimacy of the product is determined.*

檢驗報告僅就委託者之委託事項提供檢驗結果，不對產品合法性作判斷。



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Number 測試報告號碼 : TWNC01296723

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(MOHUW0030.02)。

**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(MOHUW0028.04)。

**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	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



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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	Limit # 限值
<b>Material Test 材質試驗</b>				
* Benzyl butyl 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
* Volatile Compounds – Styrene 揮發性物質-苯乙烯	ppm	10	156	--
* 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	--
* 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	--	156	5000



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檢驗結果

Test Item 檢驗項目	Unit 單位	Limit of quantitation 定量極限	Result 檢出值	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	2.3	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 (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	5	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	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	1	1	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	Limit # 限值
<b>Migration Test 溶出試驗</b>				
* 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



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Photo 樣品照片 :



- End of Report 結束 -

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