Test Report 測試報告

Number : TWNC01417735
報告號碼

Issue Date : Dec 23, 2025
報告發行日期

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, R.O.C.
彰化縣大村鄉大崙路 6 之 3 號

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 樣品名稱	: HIPS FOOD CONTAINER BLACK COLOR HIPS 食品容器(黑色)
Material Composition 樣品材質	: PS
Country of Origin 原產地	: Taiwan 台灣
Responsible Domestic Company 國內負責廠商	: HOS WIN ENTERPRISE CO., LTD. 禹昌企業股份有限公司
Date Sample Received 樣品收到日期	: Dec 15, 2025
Date Test Started 開始測試日期	: Dec 15, 2025

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：

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)
檢驗方法 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。

Volatile Compounds
揮發性物質
Sample was extracted and heated, volatile gas was collected to be analyzed by Gas Chromatography-Mass Spectrometer (GC-MS).
樣品經萃取、加熱後，取揮發氣體以氣相層析質譜儀(GC-MS)測定。

Consumption of Potassium Permanganate
高錳酸鉀消耗量
Sample was migrated and migration solution was analyzed by titration.
樣品經溶出後，溶出液以滴定法測定。

Heavy Metals (as Pb)
重金屬(以 Pb 計)
Sample was migrated and migration solution was analyzed by colorimetry.
樣品經溶出後，溶出液以比色法測定。

Residues after Evaporation
蒸發殘渣
Sample was migrated and migration solution was weighted after evaporation.
樣品經溶出後，溶出液蒸發後秤重測定。

Migration of Phthalates
溶出塑化劑
Sample was migrated and migration solution was analyzed by Gas Chromatography-Mass Spectrometer (GC-MS).
樣品經溶出後，溶出液以氣相層析質譜儀(GC-MS)測定。

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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Test Conducted 測試內容：

Analysis of Food Utensils, Containers and Packages - Polystyrene (PS) as Raw Material (Cont'd)
食品器具容器包裝檢測 - 原材料為聚苯乙烯(PS) (續)

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 Black plastic tray (see arrow) 黑色塑膠盤 (見箭頭)	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
Volatile Compounds - Styrene 揮發性物質-苯乙烯	ppm	10	434	--
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	156	--
Volatile Compounds - N-Propyl Benzene 揮發性物質-正丙苯	ppm	10	Not detected 未檢出	--

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Test Conducted 測試內容：

Analysis of Food Utensils, Containers and Packages - Polystyrene (PS) as Raw Material (Cont'd)
食品器具容器包裝檢測 - 原材料為聚苯乙烯(PS) (續)

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 Black plastic tray (see arrow) 黑色塑膠盤 (見箭頭)	Limit # 限值
Material Test 材質試驗				
Volatile Compounds - Iso-propylbenzene 揮發性物質-異丙苯	ppm	10	18	--
Sum of Above Volatile Compounds 上列五種揮發性物質總和	ppm	--	608	5000
Migration Test 溶出試驗				
Consumption of Potassium Permanganate 高錳酸鉀消耗量 (Water, 95°C, 30 min) (水、95℃、30 分鐘)	ppm	0.2	1.5	10
Heavy Metals (as Pb) 重金屬(以 Pb 計) (4% Acetic Acid, 95°C, 30 min) (4% 醋酸、95℃、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℃、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℃、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℃、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℃、30 分鐘)	ppm	1	2	30

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Test Conducted 測試內容：

Analysis of Food Utensils, Containers and Packages - Polystyrene (PS) as Raw Material (Cont'd)
食品器具容器包裝檢測 - 原材料為聚苯乙烯(PS) (續)

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 Black plastic tray (see arrow) 黑色塑膠盤 (見箭頭)	Limit # 限值
Migration Test 溶出試驗				
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℃、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℃、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℃、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℃、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℃、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℃、1 小時)	ppm	0.05	Not detected 未檢出	18

: As per applicant's provided requirement
依據客戶要求

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。

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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

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Reporting Statements of Conformity: *Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.*

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