

測試報告 Test Report

報告編號(No.): HKF22A00032

報告日期(DATE): 2022/10/21

頁數(PAGE): 1 of 7

東邑實業有限公司 (TOYO INDUSTRY CO., LTD.)

台東縣台東市豐榮路18巷15號1樓 (1F., NO.15, LN. 18, FONGRONG RD., TAITUNG CITY, TAITUNG COUNTY 950016, TAIWAN (R.O.C.))

以下測試樣品係由申請廠商所提供之確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as) :

| | |
|---|---|
| 樣品名稱(Sample Description) | : SPORK (叉湯匙) |
| 樣品包裝/數量(Sample Package/Quantity) | : 請參考報告末頁樣品照片 (PLEASE REFER TO THE SAMPLE PHOTO AT THE END OF THE REPORT) / 20支 |
| 樣品保存方式(Sample Packaging) | : 常溫 (AMBIENT TEMP.) |
| 樣品型號(Style/Item No.) | : TY-P0704 |
| 樣品批號(Lot. No.) | : - |
| 樣品材質(Sample Material) | : TPB-111(BBC + STARCH + PBS) |
| 送樣廠商(Sample Submitted By) | : 東邑實業有限公司 (TOYO INDUSTRY CO., LTD.) |
| 送樣廠商地址/電話/聯絡人(Company Add/Tel/Contact Person) | : 台東縣台東市豐榮路18巷15號1樓(1F., NO.15, LN. 18, FONGRONG RD., TAITUNG CITY, TAITUNG COUNTY 950016, TAIWAN (R.O.C.)) / 089-511359 / 柯志忠 |
| 製造日期(Manufacturing Date) | : 2022/02/13 |
| 有效日期(Expiry Date) | : 2024/02/12 |
| 原產國(Country of Origin) | : 台灣 (TAIWAN) |

| 收件日(Sample Receiving Date) | : 2022/10/12 |
| 測試期間(Testing Period) | : 2022/10/12 to 2022/10/21 |

測試需求 (Test Requested) :

依據客戶指定，參考中華民國食品器具容器包裝衛生標準 (102.08.20部授食字第1021350146號令修正) 進行測試。
測試項目請參閱測試結果表格。 (As specified by client, with reference to Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146, amended on 2013/08/20) to conduct test. Please refer to the result table(s) for testing item(s).)

測試結果 (Test Results) : 請見下一页。 (Please refer to next page(s).)

張伯睿



報告簽署人/張伯睿 博士/部經理
化學實驗室-高雄



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No. 61, Kai-Fa Road, Nanzih Dist., Kaohsiung, Taiwan

SGS Taiwan Ltd. 台灣檢驗科技股份有限公司

測試報告

Test Report

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測試部位敘述(Test Part Description)

No.1 : 棕色塑膠 (BROWN PLASTIC)

測試結果(Test Results)

| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | LOQ/ LOD | 結果 (Result) | 食品衛生 法規 (Limit) |
|---|--|--------------|-------------|----------------|-----------------------|
| | | | | No.1 | |
| ★鉛 / Lead (Pb) | 衛生福利部107.10.04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。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018). | ppm | 5 | n.d. | 100 |
| ★鎘 / Cadmium (Cd) | | ppm | 0.5 | n.d. | 100 |
| ★鄰苯二甲酸二異癸酯 (正庚烷, 25°C, 1小時) / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) (n-Heptane, 25°C, 1 hr) | | ppm | 0.5 | n.d. | 9 |
| ★鄰苯二甲酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hr) | | ppm | 0.05 | n.d. | 1.5 |
| ★鄰苯二甲酸二丁酯 (正庚烷, 25°C, 1小時) / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hr) | | ppm | 0.05 | n.d. | 0.3 |
| ★己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHA (Di-2-ethylhexyl Adipate) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hr) | | ppm | 0.05 | n.d. | 18 |
| ★鄰苯二甲酸二異壬酯 (正庚烷, 25°C, 1小時) / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) (n-Heptane, 25°C, 1 hr) | | ppm | 0.5 | n.d. | 9 |
| ★鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1小時) / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hr) | | ppm | 0.05 | n.d. | 30 |

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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司

測試報告

報告編號(No.): HKF22A00032

報告日期(DATE): 2022/10/21

頁數(PAGE): 3 of 7

Test Report

東邑實業有限公司 (TOYO INDUSTRY CO., LTD.)

台東縣台東市豐榮路18巷15號1樓 (1F., NO.15, LN. 18, FONGRONG RD., TAITUNG CITY, TAITUNG COUNTY 950016, TAIWAN (R.O.C.))

| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | LOQ/ LOD | 結果 (Result) | 食品衛生 法規 (Limit) |
|---|--|--------------|-------------|----------------|-----------------------|
| | | | | No.1 | |
| ★高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption-(water, 95°C, 30 min) | 衛生福利部107.10.04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。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018). | ppm | 3 | 32 | 10 |
| ★重金屬(以鉛計)-(4%醋酸, 95°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min) | | ppm | - | <1 | 1 |
| ★鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) | | % | 0.01 | n.d. | 0.1 |
| ★鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No.: 131-11-3) | | % | 0.003 | n.d. | 0.1 |
| ★鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) | | % | 0.01 | n.d. | 0.1 |

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頁數(PAGE): 4 of 7

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備註(Note) :

1. 檢驗報告僅就委託者之委託事項提供檢驗結果，不對產品合法性做判斷。(The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.)
2. 本檢驗報告之所有檢驗內容，均依委託事項執行檢驗，如有不實，願意承擔完全責任。(All contents in the test report are conducted according to the customer-specified items. If there is any falsehood, we are willing to take corresponding responsibility.)
3. 本報告不得分離或擷錄使用。(The report is invalid if it is partly reproduced or used.)
4. mg/kg = ppm ; 0.1wt% = 1000 ppm
5. LOQ = 定量極限，若該測試項目屬於定量分析則以「LOQ」表示；LOD = 偵測極限，若該測試項目屬於定性分析則以「LOD」表示。(LOQ = Limit of Quantification, for quantitative analyses; LOD = Limit of Detection, for qualitative analyses.)
6. n.d. = Not Detected (未檢出) = Less than (小於) LOQ/LOD
7. 測試項目名稱旁有★者，為本實驗室通過衛生福利部認證項目。(The test method marked with ★ is accredited by MOHW.)
8. 法規標準值係依據衛生福利部102年08月20日部授食字第1021350146號令 食品器具容器包裝衛生標準之法規限值。(The limit value(s) is/are according to "Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146, amended on 2013/08/20)", Ministry of Health and Welfare of Taiwan.)

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頁數(PAGE): 5 of 7

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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *

(The tested sample / part is marked by an arrow if it's shown on the photo.)

HKF22A00032

** 報告結尾 (End of Report) **

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以下為申請廠商委託測試項目、測試方法、定量/偵測極限：

(The information requested from client is shown as below :)

HKF22A00032

| 測試項目 (Test Items) | 測試方法 (Method) | LOQ/LOD |
|---|---|--|
| ★鉛 / Lead (Pb) | | |
| ★鎘 / Cadmium (Cd) | | |
| ★鄰苯二甲酸二異癸酯 (正庚烷, 25°C, 1小時) / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) (n-Heptane, 25°C, 1 hr) | | |
| ★鄰苯二甲酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hr) | | |
| ★鄰苯二甲酸二丁酯 (正庚烷, 25°C, 1小時) / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hr) | 衛生福利部107.10.04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。/ Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, October 04, 2018). | 詳見測試結果之定量/偵測極限。(Please refer to the result table above.) |
| ★己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHA (Di-2-ethylhexyl Adipate) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hr) | | |
| ★鄰苯二甲酸二異壬酯 (正庚烷, 25°C, 1小時) / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) (n-Heptane, 25°C, 1 hr) | | |
| ★鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1小時) / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hr) | | |
| ★高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption-(water, 95°C, 30 min) | | |
| ★重金屬(以鉛計)-(4%醋酸, 95°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min) | | |

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以下為申請廠商委託測試項目、測試方法、定量/偵測極限：

(The information requested from client is shown as below :)

HKF22A00032

| 測試項目 (Test Items) | 測試方法 (Method) | LOQ/LOD |
|--|---|--|
| ★鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) | | |
| ★鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) | | |
| ★鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) | | |
| ★鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) | CNS 15138-1 · Z8139-1 : 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。 / CNS 15138-1 Z8139-1 Method of test for determination of phthalates plasticizers in plastic products - Part 1: Gas chromatography/mass spectrometry. | 詳見測試結果之定量/偵測極限。(Please refer to the result table above.) |
| ★鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2) | | |
| ★鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) | | |
| ★鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No.: 131-11-3) | | |
| ★鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) | | |

測試項目名稱旁有★者，為本實驗室通過衛生福利部認證項目。(The test method marked with ★ is accredited by MOHW.)

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