# 測試報告

# Test Report

號碼(No.): ETR25A02957　　日期(Date): 23-Oct-2025　　

利百代國際實業股份有限公司 (LIBERTY STATIONERY CORP.)
台北市南港區南港路三段9之5號7樓 (7F., NO.9-5, SEC. 3, NANGANG RD., NANGANG DIST., TAIPEI CITY 115004, TAIWAN (R.O.C.))

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

| | | |
|---|---|---|
| 送樣廠商(Sample Submitte | ： | 利百代國際實業股份有限公司 (LIBERTY STATIONERY CORP.) |
| 樣品名稱(Sample Name) | ： | LIBERTY STAMP INK (利百代打印水) |
| 顏色(Color) | ： | 紅色,藍色,黑色,紫色 (RED, BLUE, BLACK,VIOLET) |

==========

| | | |
|---|---|---|
| 收件日(Sample Receiving D | ： | 17-Oct-2025 |
| 測試期間(Testing Period) | ： | 17-Oct-2025 to 23-Oct-2025 |

**測試需求(Test Reque**　：　依據客戶指定，測試鹵素-氟、氯、溴、碘。 (As specified by client, to test Halogen-Fluorine, Chlorine, Bromine, Iodine in the submitted sample.)

**測試結果(Test Result**　：　請參閱下一頁 (Please refer to following pages.)

Troy Chang / Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

CHECK REPORT
PIN CODE: F784722B

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**測試部位敘述 (Test Part Description)**

No.1 : 紅色墨水 (RED INK)
No.2 : 藍色墨水 (BLUE INK)
No.3 : 黑色墨水 (BLACK INK)
No.4 : 紫色墨水 (VIOLET INK)

**測試結果 (Test Results)**

| 測試項目 (Test Items) | 測試方法 (Method) | 單位 (Unit) | MDL | 結果 (Result) | | |
|---|---|---|---|---|---|---|
| | | | | No.1 | No.2 | No.3 |
| 氟 (F) (Fluorine (F)) (CAS No.: 14762-94-8) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | n.d. | n.d. | n.d. |
| 氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | 3570 | 292 | 225 |
| 溴 (Br) (Bromine (Br)) (CAS No.: 10097-32-2) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | 1020 | n.d. | n.d. |
| 碘 (I) (Iodine (I)) (CAS No.: 14362-44-8) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | n.d. | n.d. | n.d. |

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| 測試項目 (Test Items) | 測試方法 (Method) | 單位 (Unit) | MDL | 結果 (Result) |
|---|---|---|---|---|
| | | | | No.4 |
| 氟 (F) (Fluorine (F)) (CAS No.: 14762-94-8) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | n.d. |
| 氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | 3140 |
| 溴 (Br) (Bromine (Br)) (CAS No.: 10097-32-2) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | n.d. |
| 碘 (I) (Iodine (I)) (CAS No.: 14362-44-8) | 參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.) | mg/kg | 50 | n.d. |

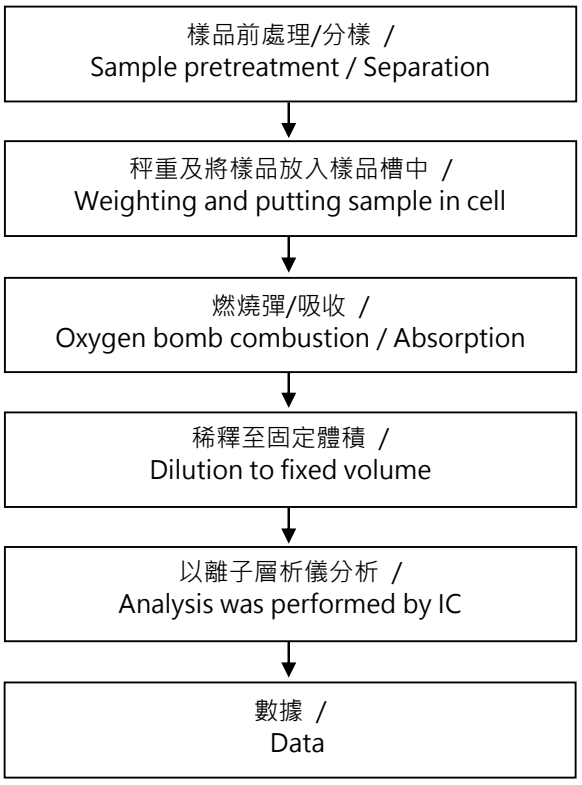
**備註(Note)：**

1. mg/kg = ppm；0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit (方法偵測極限值)
3. n.d. = Not Detected (未檢出)；小於MDL / Less than MDL

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**鹵素分析流程圖 / Analytical flow chart - Halogen**





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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.)**

**ETR25A02957 NO.1**




**ETR25A02957 NO.2**




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**ETR25A02957　NO.3**




**ETR25A02957　NO.4**




** 報告結尾 (End of Report) **

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