



# 測試報告

# Test Report

號碼(No.): ETR23C01059M01

日期(Date): 13-Dec-2023

頁數(Page): 1 of 5

美麗微半導體股份有限公司 (FORMOSA MICROSEMI CO., LTD.)

杭州美麗微電子有限公司 (HANGZHOU FORMOSA MICRO-ELECTRONIC CO., LTD.)

宜蘭縣宜蘭市梅洲里梅洲二路38號 (NO. 38, MEIZHOU 2ND RD., MEIZHOU VIL., YILAN CITY, YILAN COUNTY 26053, TAIWAN)

杭州市濱江區明德路6號 (NO. 6, MINGDE RD., BINJIANG DIST., HANGZHOU, CHINA)

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) :

樣品名稱(Sample Name) : WIRE BONDED PROCESSED PLASTIC MOLDED PRODUCTS (各項打線製程塑封裝產品)

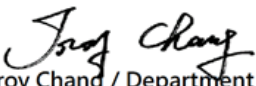
樣品型號(Style/Item No.) : 請參考第2頁 (PLEASE REFER TO PAGE 2)

收件日(Sample Receiving Date) : 06-Dec-2023

測試期間(Testing Period) : 06-Dec-2023 to 13-Dec-2023

測試需求(Test Requested) : 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 Results) : 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



PIN CODE: 24D02AD4

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樣品型號(Style/Item No.) :

0402 / 0603 / 0805 / 1005(SOD-323) / DFN0603(T0603) / DFN1006-2(T1006P2) / DFN1006-2L / DFN1006-3(T1006P3) / DFN1210-6(T1210P6) / DFN1608-2(T1608P2) / DFN1610-2(T1610P2) / DFN1610-6(T1610P6) / DFN1616-6(T1616P6) / DFN2010-10(T2010P10) / DFN2020-3(T2020P3) / DFN2020-6(T2020P6) / DFN2020-6(T2020P6) / DFN2510-10(T2510P10) / DFN2510P10 / DFN3020-10(T3020P10) / DFN3030(T3030P10) / DFN3810-9(T3810P9) / DFN4120-10(T4120P10) / DFN2030-6(T2030P6) / DFN2626-10(T2626P10) / DFN35135-14(T35135P14) / DFN0.6X0.3 / DFN1.0X0.6 (DFN1006) / DFN1X1-3(DFN1010-3) / DFN1X1-4(T1010P4) / DFN1X1-6(DFN1010-6) / DFN1.2X1.2 (DFN1212) / DFN1.6X1.6(DFN1616) / DFN2X2(DFN2X2-6) / DFN2X3 (DFN2030) / DFN2X5(DFN2050) / DFN3X2(DFN3020) / DFN3X2NEP(DFN3020NEP) / DFN3X3(DFN3X3-10) / DFN3X3NEP(DFN3030NEP) / DFN3.3X3.3(DFN3333) / FBP1X1-4 / HSOP-8 / SC-76 / SC-89(SOT-523) / SOD-123F / SOD-123FL / SOD-323F / SOD-323FL / SOD-323FLT / SOD-523 / SOD-523FL / SOD-723FL / SOD-882 / SOD-923 / SOD-923FL / SOP-16 / SOP8-PP / SOT-23(TO-236) / SOT-23-3(SC-59) / SOT-23-5(SOT-25) / SOT-23-6(SOT-26) / SOT-23-LC / SOT-143 / SOT-223 / SOT-223-2 / SOT-323 / SOT-353 / SOT-363(SC-88) / SOT-523 / SOT-523FL(SC-89-3) / SOT-553 / SOT-563 / SOT-723 / SOT-883 / SOT-89 / SOT-89-5 / SOT-923 / SOT-1123 / T0603-1 / T0603-2 / T0603-3 / T1005P2 / T1006P2-7 / T1006P2-7A / T1006P3-1 / T1006P3-2 / T1608P2-2 / T2020P6-1 / T2020P6-2 / TSOP-6 / TSSOP-8 /

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## 測試部位敘述 (Test Part Description)

No.1 : 各項打線製程塑封裝產品 (WIRE BONDED PROCESSED PLASTIC MOLDED PRODUCTS)

## 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
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	85.0
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
4. 本報告為 ETR23C01059 之異動報告。(This is the additional test report of ETR23C01059.)

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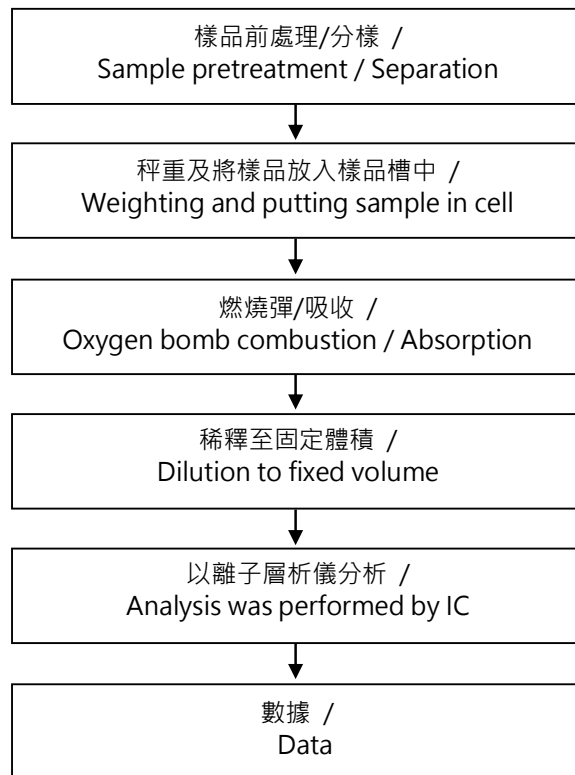
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## 鹵素分析流程圖 / Analytical flow chart - Halogen



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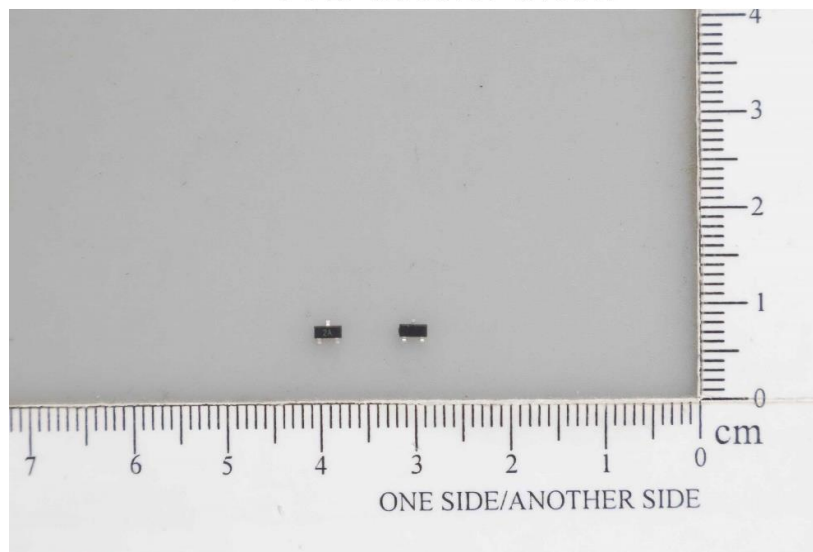
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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。\*

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

### ETR23C01059



\*\* 報告結尾 (End of Report) \*\*

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