



測試報告

Test Report

號碼(No.): ETR24503627

日期(Date): 03-Jun-2024

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) : HIGH TEMPERATURE SOLDER PROCESSED PLASTIC MOLDED PRODUCTS (INCLUDED SURFACE MOUNT AND AXIAL PACKAGE PRODUCTS) (各項高溫焊錫製程塑封裝產品(包含貼片與軸式封裝產品))

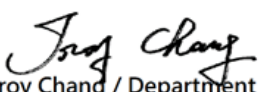
樣品型號(Style/Item No.) : 請參考第2頁 (PLEASE REFER TO PAGE 2)

=====
收件日(Sample Receiving Date) : 24-May-2024

測試期間(Testing Period) : 24-May-2024 to 03-Jun-2024

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: 3D45C385

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樣品型號(Style/Item No.)

:

4GBJ / A-405 / ASM-10A / ASM-10A-L / ASM-10C / BCT / BJ / BL / BU / DB / DBF / DBL / DBLS / DBS / DF / DFS / DFS-1 / DO-14 / DO-15 / DO-27 / DO-201AD / DO-201AE / DO-218 / DO-34 / DO-405 / DO-41 / DPAK(TO-252) / DPAK-1(TO-252-1) / DPAK-2(TO-252-2) / D2PAK(TO-263) / D2PAK-1(TO-263-1) / D2PAK-7(TO-263-7) / D3K / FH / FHV / FV5M / FV5M-1 / FV5M-2 / FH10M / GBL / GBJ / GBP / GBPC-W / GBPC-T / GBU / GBU-1 / GH / GT / HV / HV03 / HV05 / HV07 / ITO-220AB / ITO-220AB-W / ITO-220AC / KBL / KBJ / KBP / KBP-1 / KBPC-3 / KBPC-6 / KBPC-8 / KBPC-MT / KBPC-MW / KBPC-PS / KBPC-PT / KBPC-PW / KBU / LDBS / LMBS / LMDS(TBS) / LMDS-1 / MBF / MBL / MBL-1 / MBL-7 / MD / MDB / MDLS / MDS(TO-269AA) / MDS-1 / MDS-6 / MINI-MELF(DO-213AA/GL34) / MINI-SMA(SOD-123) / MP / MT-35 / P0600M / P6 / P600 / QFNB / R-1 / R-3 / R-6 / R6 / RB-15 / RS / SMA / MELF(DO-213AB) / SMA-F / SMA-FL / SMA-HFL / SMA-HS / SMA-HS1 / SMA-HS2 / SMA-HSFL / SMA-HSFL1 / SMA-HSFL2 / SMA-HST / SMA-L / SMA-N / SMA-NT / SMA-W / SMA-S / SMA-SF / SMB(DO-214AA) / SMB-F(DO-214AA) / SMB-FL / SMB-HS / SMB-HSFL / SMB-S / SMC (DO-214AB) / SMC-F(DO-214AB) / SMC-T1 / SMC-T2 / SMC-T3 / SMC-T4 / SOD-123H / SOD-123H1 / SOD-123HT / SOD-123HT1 / SOD-123MFL / SOD-123NT / SOD-123T / SOD-123S / SOD-123S1 / SOD-123S-1 / SOD-123S-2 / SOD-123ST2 / SOD-123S-3 / SOD-123S-4 / SOD-123S-5 / SOD-123S7 / SOD-123S8 / SOD-123SA1 / SOD-123SA3 / SOD-123ST / SOD-123ST-1 / SOD-123ST-2 / SOD-323 / SOD-323HE / SOD-323S / SOD-323ST1 / SOD-323ST2 / SOD-323FLT / sTOLL-5L(MO-319A) / T2PAK (T2PAK-P7) / T4532 / T5454 / TO-92(TO-226AA) / TO-92S / TO-126 / TO-220 / TO-220AB / TO-220AC / TO-247AC / TO-247S / TO-251 / TO-251AA / TO-251AB / TO-251S / TO-252AA / TO-252-4L / TO-256 / TO-262(I2PAK) / TO-277 / TO-277A / TO-277B / TO-3P(TO-247) / TO-3PN / UDLS / W / WOB / DFN3333-8(T3333P8) / DFN5060-8(T5060P8) / DFN5060 Dual(T5060P8 Dual) / DFN3030-8(T3030P8) / DFN5X6 (DFN5060) / PPAK5X6 / DFN8080-3(T8080P3) / DFN8080-8(T8080P8) / TOLL-8L (MO-299A) / T5060P8 Thin (DFN5060-8 Thin) / SOP8 (SOP-08) /

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測試部位敘述 (Test Part Description)

No.1 : 各項高溫焊錫製程塑封裝產品(包含貼片與軸式封裝產品) (HIGH TEMPERATURE SOLDER PROCESSED PLASTIC MOLDED PRODUCTS (INCLUDED SURFACE MOUNT AND AXIAL PACKAGE 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 | n.d. |
| 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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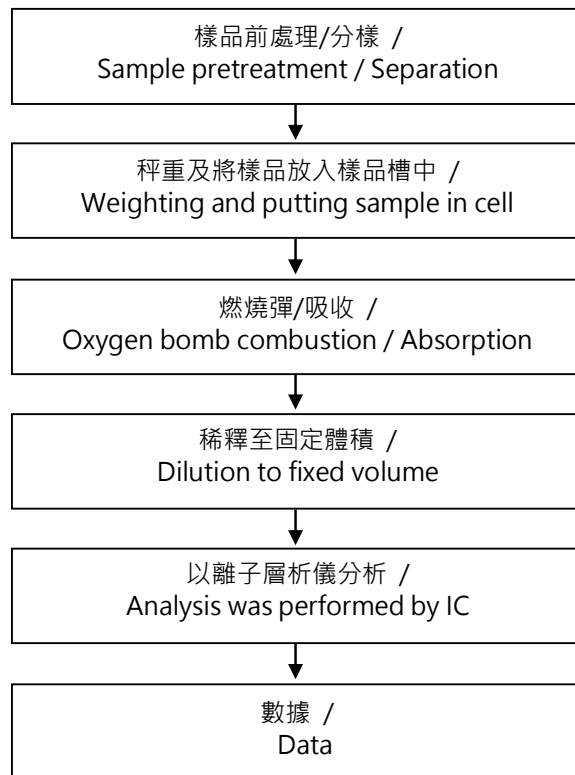
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鹵素分析流程圖 / Analytical flow chart - Halogen



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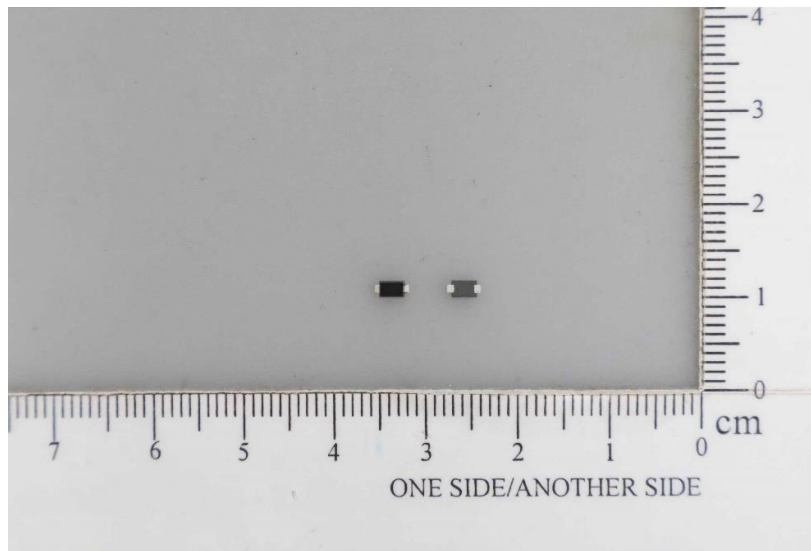
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。*

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

ETR24503627



** 報告結尾 (End of Report) **

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