



Test Report

No.: ETR24B03284

Date: 27-Nov-2024

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mitsui mining & smelting co.,ltd.

ENGINEERED MATERIALS SECTOR, COPPER FOIL DIVISION, AGEO COPPER FOIL
656-2 FUTATSUMIYA AGEO-SHI SAITAMA-KEN 362-0017 JAPAN

The following sample(s) was/were submitted and identified by the applicant as:

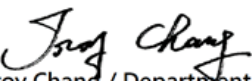
Sample Submitted By : MITSUI MINING & SMELTING CO.,LTD.
Sample Name : COPPER FOIL
Style/Item No. : MT SERIES


=====

Sample Receiving Date : 20-Nov-2024
Testing Period : 20-Nov-2024 to 27-Nov-2024

Test Requested : As specified by client, to test Halogen-Fluorine, Chlorine, Bromine, Iodine in the submitted sample.

Test Results : Please refer to following pages.


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



PIN CODE: 5A4D50B3

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mitsui mining & smelting co.,ltd.

engineered materials sector, copper foil division, ageo copper foil

656-2 futatsumiya ageo-shi saitama-ken 362-0017 japan

Test Part Description

No.1 : BROWN/COPPER COLORED SHEET

Test Result(s)

| Test Item(s) | Method | Unit | MDL | Result |
|-------------------------------------|--|-------|-----|--------|
| | | | | No.1 |
| Fluorine (F) (CAS No.: 14762-94-8) | With reference to BS EN 14582: 2016, analysis was performed by IC. | mg/kg | 50 | n.d. |
| Chlorine (Cl) (CAS No.: 22537-15-1) | With reference to BS EN 14582: 2016, analysis was performed by IC. | mg/kg | 50 | n.d. |
| Bromine (Br) (CAS No.: 10097-32-2) | With reference to BS EN 14582: 2016, analysis was performed by IC. | mg/kg | 50 | n.d. |
| Iodine (I) (CAS No.: 14362-44-8) | With reference to BS EN 14582: 2016, analysis was performed by IC. | mg/kg | 50 | n.d. |

Note :

1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)

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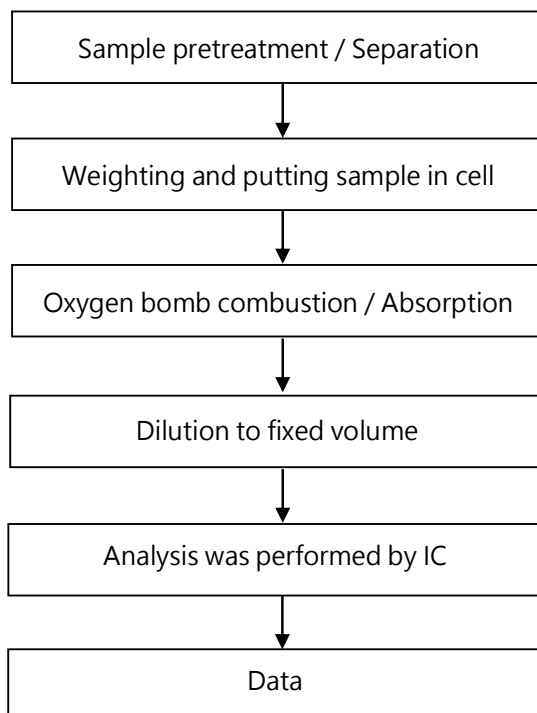
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MITSUI MINING & SMELTING CO.,LTD.

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Analytical flow chart - Halogen



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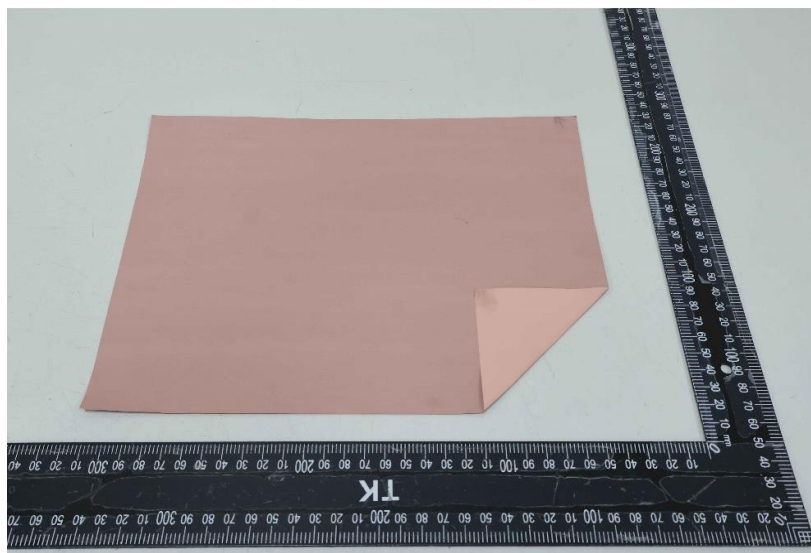
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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