



Test Report

No.: ETR25A05206

Date: 06-Nov-2025

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MITSUBISHI GAS CHEMICAL CO., INC. ELECTRONICS MATERIAL DIVISION
5-2, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8324, JAPAN

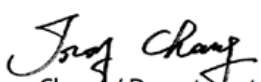
The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : MITSUBISHI GAS CHEMICAL CO., INC. ELECTRONICS MATERIAL DIVISION
Sample Name : COPPER CLAD LAMINATES & PREPREGS (MADE IN THAILAND FACTORY)
Style/Item No. : CCL-HL830NX(TYPE-A)(WITHOUT COPPER FOIL), CCL-HL832NX
(TYPE-A)(WITHOUT COPPER FOIL), GHPL-830NX(TYPE-A),
GHPL-832NX(TYPE-A)
Lot No. : MGC 2025-015

Sample Receiving Date : 31-Oct-2025
Testing Period : 31-Oct-2025 to 06-Nov-2025

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: EBC46789

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Test Part Description

No.1 : BLACK 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	1330
Chlorine (Cl) (CAS No.: 22537-15-1)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	92.0
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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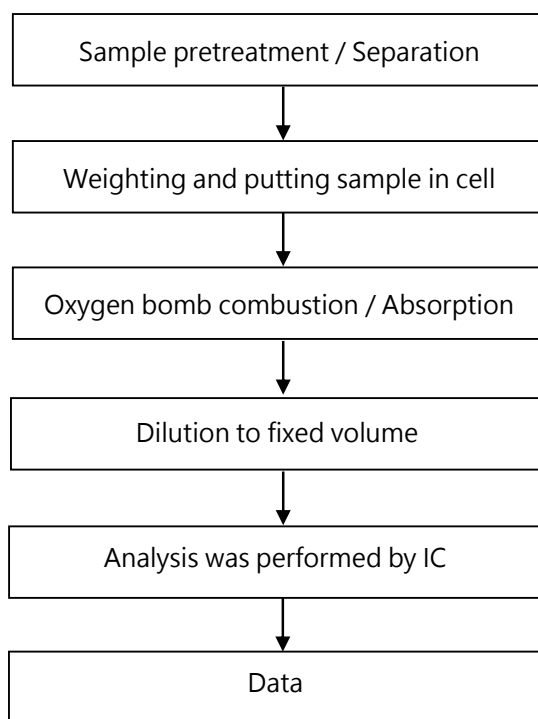
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Analytical flow chart - Halogen



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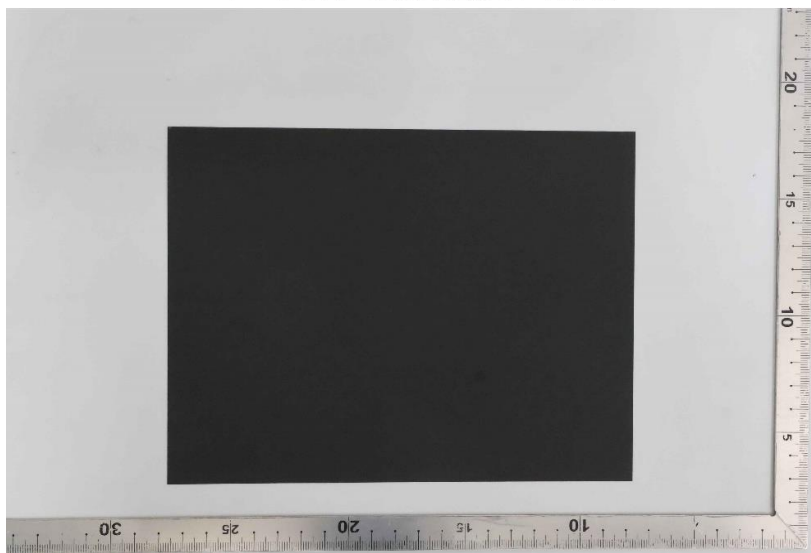
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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