



# Test Report

No.: ETR25B02225

Date: 21-Nov-2025

Page: 1 of 5

RESONAC CORPORATION  
1500 OGAWA, CHIKUSEI-SHI IBARAKI, 308-8521, JAPAN

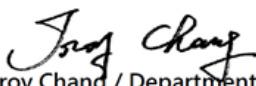
**The following sample(s) was/were submitted and identified by the applicant as:**


Sample Submitted By : RESONAC CORPORATION  
 Sample Name : COPPER CLAD LAMINATES WITHOUT COPPER (PLASTIC PART OF MCL) / GLASS EPOXY PREPREG  
 Style/Item No. : MCL-E-679FGB(R) PLASTIC PART / MCL-E-679FG(R) PLASTIC PART / MCL-E-679FG(RM) PLASTIC PART / MCL-E-679FGB PLASTIC PART / MCL-E-679FG PLASTIC PART / GEA-679FG(R) / GEA-679FG

=====  
 Sample Receiving Date : 13-Nov-2025  
 Testing Period : 13-Nov-2025 to 21-Nov-2025

**Test Requested** : Testing item(s) is/are specified by client. Please refer to result table for testing item(s).

**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: C047F39A

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No.: ETR25B02225

Date: 21-Nov-2025

Page: 2 of 5

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## Test Part Description

No.1 : BLACK SHEET

## Test Result(s)

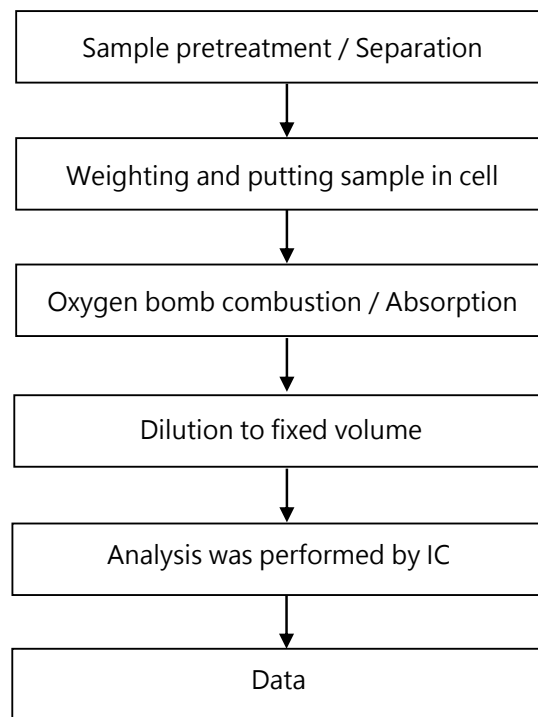
Test Item(s)	Method	Unit	MDL	Result
				No.1
Fluorine (F) (CAS No.: 14762-94-8)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	1210
Chlorine (Cl) (CAS No.: 22537-15-1)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	171
Bromine (Br) (CAS No.: 10097-32-2)	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.
Antimony (Sb) (CAS No.: 7440-36-0)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	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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### Analytical flow chart - Halogen

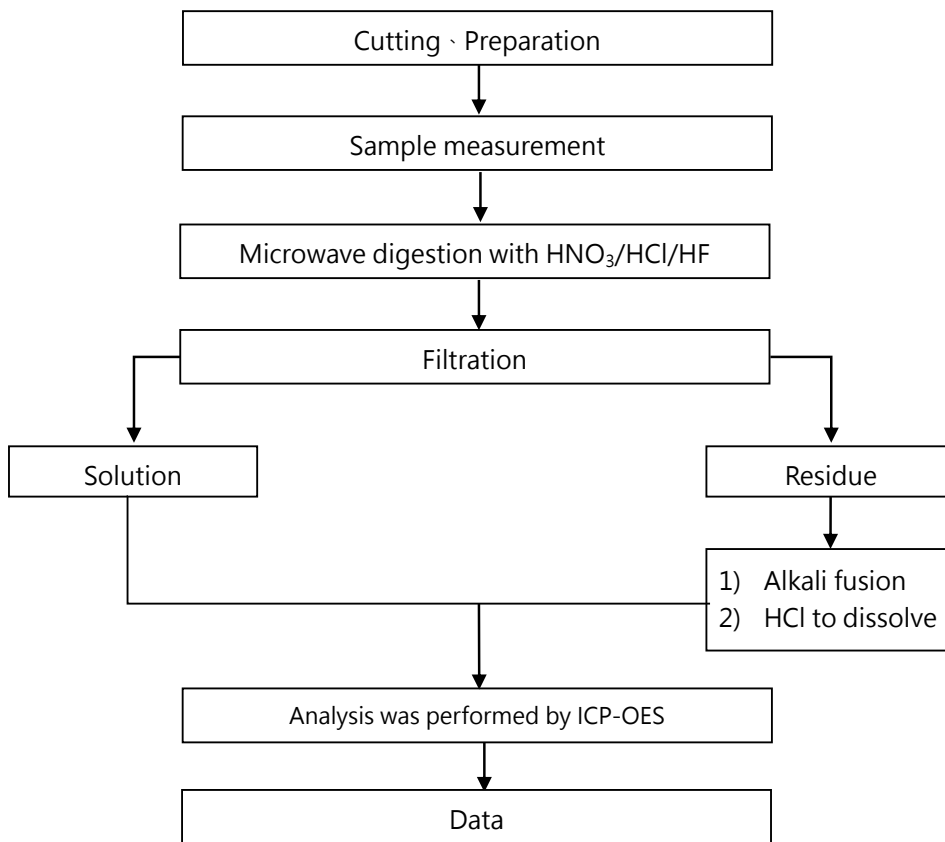


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### Analytical flow chart of elements (Heavy metal included)

These samples were dissolved totally by pre-conditioning method according to below flow chart.

【Reference method : US EPA 3051A · US EPA 3052】



\* US EPA 3051A method does not add HF.

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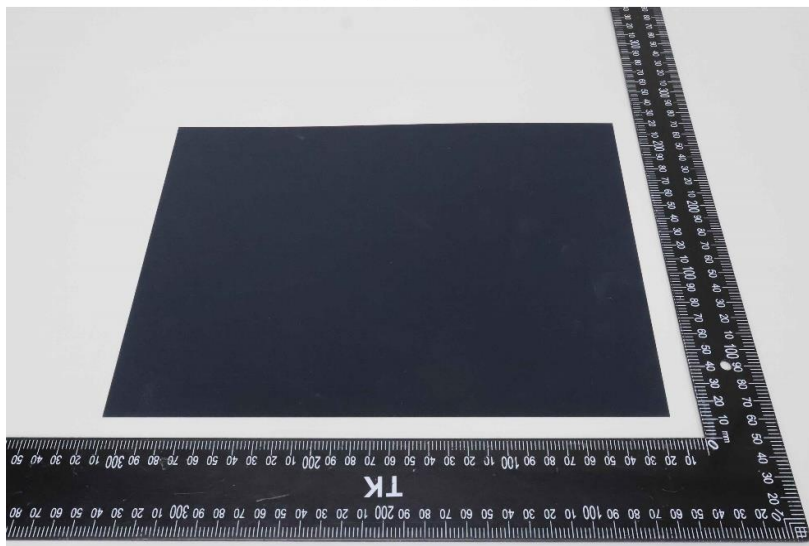
Page: 5 of 5

RESONAC CORPORATION

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

### ETR25B02225



\*\* End of Report \*\*

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