

Test Report

No. : CE/2020/36541

Date : 2020/04/06

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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/on behalf of the applicant as :

Sample Submitted By : MITSUBISHI GAS CHEMICAL CO., INC. ELECTRONICS MATERIAL DIVISION
Sample Description : COPPER CLAD LAMINATES & PREPREGS
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)
Buyer/Order No. : MGC 2020-036
Sample Receiving Date : 2020/03/26
Testing Period : 2020/03/26 to 2020/04/06

=====
Test Requested : As specified by client, to test Halogen-Fluorine, Chlorine, Bromine, Iodine in the submitted sample(s).
Test Method : Please refer to following pages.
Test Result(s) : Please refer to following pages.


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



PIN CODE: ACAFC05C

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Test Result(s)

PART NAME No.1 : BLACK SHEET

Test Item(s)	Unit	Method	MDL	Result
				No.1
Halogen				
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	737
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	80.2
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	n.d.
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n.d.

Note :

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

Test Report

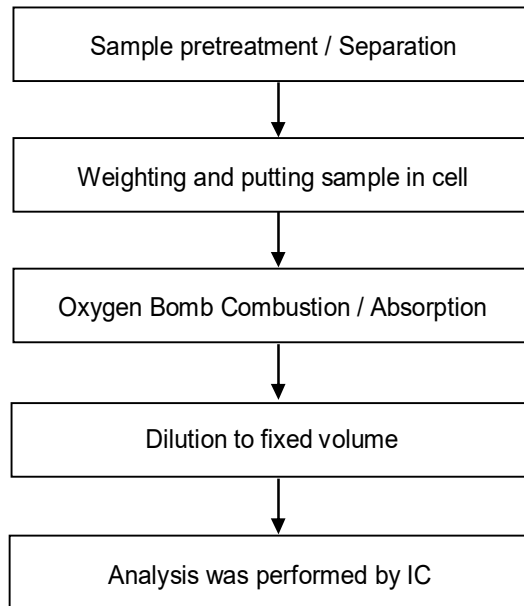
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Analytical flow chart - Halogen



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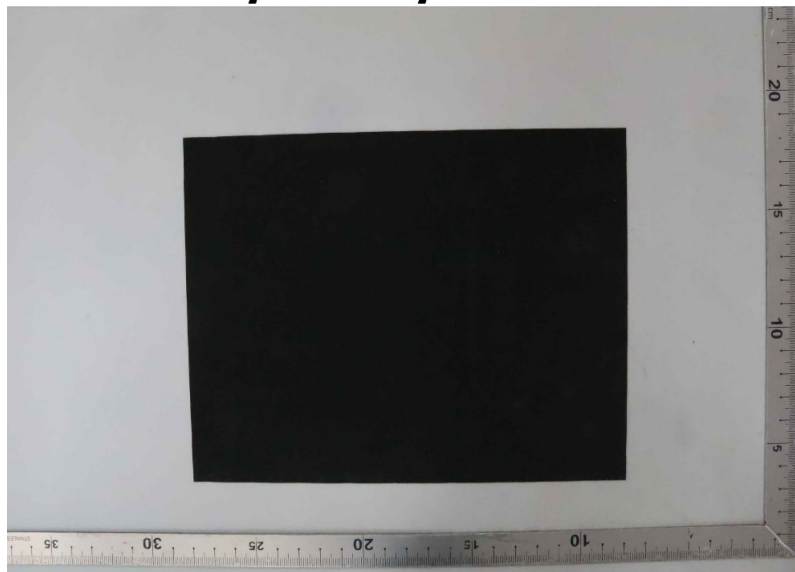
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **