

Test Report

No. : CE/2017/62655

Date : 2017/06/16

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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(without copper foil), CCL-HL832NX(without copper foil),
GHPL-830NX, GHPL-832NX
Buyer/Order No. : MGC 2017-155
Sample Receiving Date : 2017/06/12
Testing Period : 2017/06/12 TO 2017/06/16

=====
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.



JR Wang / Asst. Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

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Test Result(s)

PART NAME No.1 : DK. GREEN 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	878
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	60.4
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 :

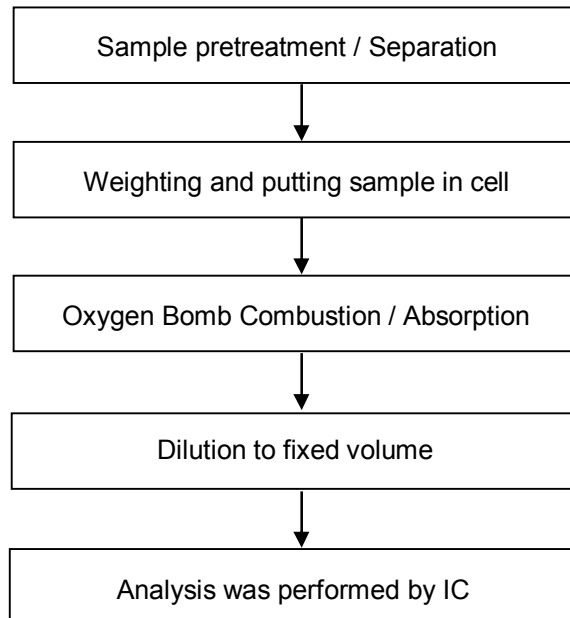
1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit

MITSUBISHI GAS CHEMICAL CO., INC. ELECTRONICS MATERIAL DIVISION
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Analytical flow chart - Halogen

- Technician: Rita Chen
- Supervisor: Troy Chang



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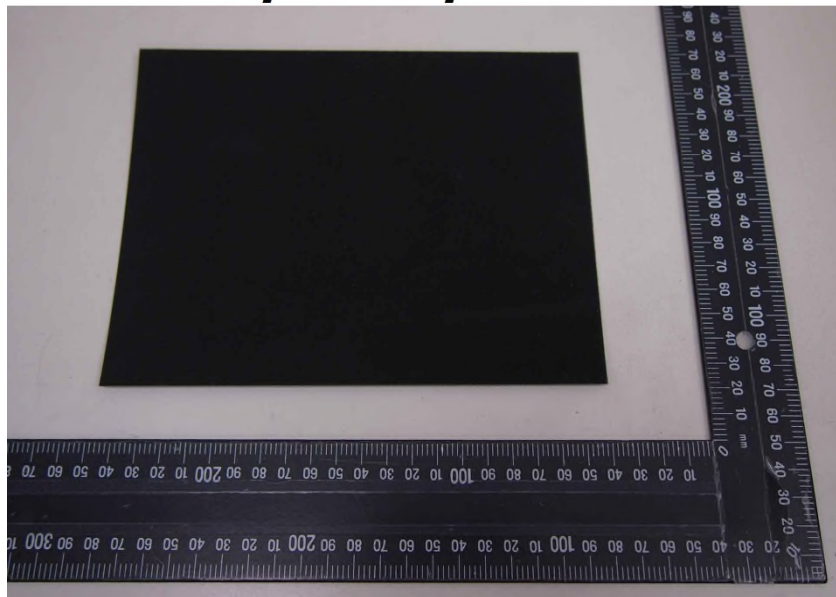
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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