

Test Report

No: 10554294(1a) A1

Date: 16-Feb-2023

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cab Produkttechnik GmbH & Co. KG
Wilhelm-Schickard-Str. 14
76131 Karlsruhe
Germany

Sample Name : M11

The above sample(s) and information were provided by the client.

Sample Receiving Date : 06-Feb-2023
Testing Period : 06-Feb-2023 to 16-Feb-2023
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s)
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Testing & Control Services Singapore Pte Ltd



Y.C. Tham
Technical Manager, Multi-Lab



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Test Result(s):

Sample Description : Black sheet

Test Item(s):	Unit	Method	Results	MDL
Halogen				
Halogen - Bromine (Br)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Chlorine (Cl)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Fluorine (F)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Iodine (I)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50

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

Lab Analyst(s): Amalina

For your information, the standard IEC 61249-2-21:2003 regarding materials for printed circuit and others interconnection structures, requires limits for halogen contents on epoxide isolating resins, the received sample complies with the limits described below:

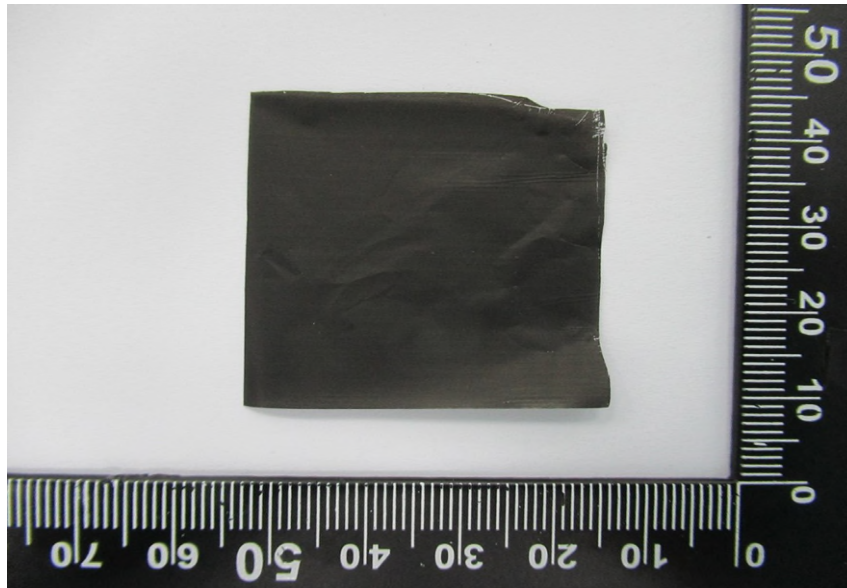
- Maximum content of total chlorine : 900ppm
- Maximum content of total bromine : 900ppm
- Maximum content of total halogens : 1500ppm

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Sample photo:

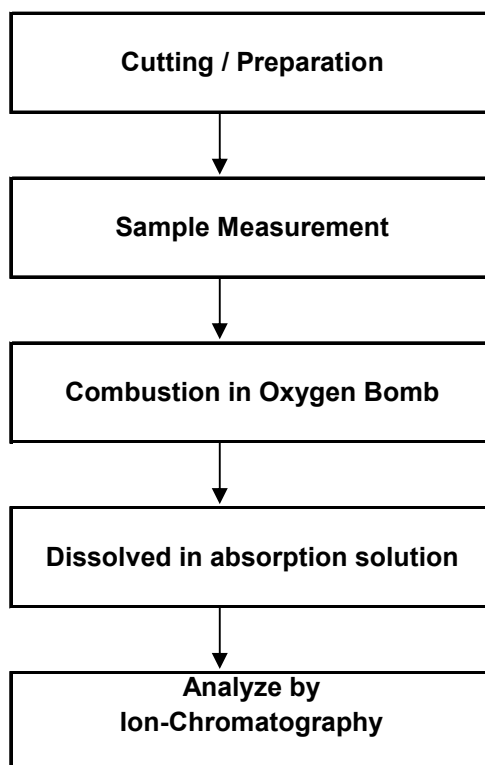
Sample Description : Black sheet

SGS authenticate the photo on original report only



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Process Flow of BS EN 14582 (Halogen Analysis)



End of Report

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