
Report: **AM2025-0004**

BET N₂ sorption measurements on particle samples of natural origin

Short Summary 1

Client:

Curia Germany GmbH
Industriepark Höchst D569
65926 Frankfurt am Main

Contractor:

Fraunhofer-Institut für Silicatforschung ISC
Zentrum für Angewandte Analytik ZAA
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Project Management:

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Documentation Overview

Contact

on the part of the client

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ISC Offer Number

2210-2025-51000-45-02801-00031

Order of the Client

Signature on the quotation dated 25.01.2025

Place of Performance and Processing Time

Place of Performance

Center for Applied Analytics
Fraunhofer Institute for Silicate Research
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Processing Time

Sample receipt	10.01.2025
Begin of the analysis	15.01.2025
End of the analysis	21.01.2025
Date of report	21.01.2025

Sample Overview

Sample No.	Description
P01	Activated Charcoal Pyrolysate – Batch: TB1142 – Date: 07.01.2025
P02	Activated Charcoal Pyrolysate – Batch: 1160B – Date: 07.01.2025

Procedure of Testing

- The powder samples were used as received for the BET N₂ sorption measurements.
- To determine the surface area, the powders were measured in a Quantachrome Autosorb-3B device. The amount of the analysed material was quite little, so the results should be interpreted with a grain of salt.

BET Surface Area

Sample No.	Mass [g]	BET Surface Area [m ² /g]	Langmuir Surface Area [m ² /g]
P01	0.4470	1.257 x 10 ³	1.684 x 10 ³
P02	0.2416	1.240 x 10 ³	1.677 x 10 ³

Final Remarks

- The analyses are carried out by specifically qualified employees and by the use of up-to-date analysis machines. Nevertheless, we are not able to provide guarantee for the correctness of the drawn conclusion.
- The results only refer to the provided and examined samples.
- Sample taking and shipping of the samples to the ZAA took place under the responsibility of the client.
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End of report AM2025-0004 – Short Summary 1

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