

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 10000407441-MSC-RvA-DEU Initial certification date: 26 September 2019

Valid: 23 December 2022 – 22 December 2025

This is to certify that the management system of CarboTech Production GmbH

Elisenstraße 119, 45139 Essen, Germany

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Energy Management System standard:

ISO 50001:2018

This certificate is valid for the following scope:

Design, production, further processing and sale of activated coke, activated carbons and carbon molecular sieves

The scope of the system includes all processes and assets under the company's control at the certified sites

Place and date: Barendrecht, 12 October 2022 For the issuing office: DNV - Business Assurance Zwolseweg 1, 2994 LB Barendrecht, Netherlands



Erie Koek Management Representative



Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid. ACCREDITED UNIT: DNV Business Assurance B.V., Zwolseweg 1, 2994 LB, Barendrecht, Netherlands - TEL: +31(0)102922689. www.dnv.com/assurance



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Appendix to Certificate

CarboTech Production GmbH

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
CarboTech Production GmbH	Elisenstraße 119, 45139 Essen, Germany	Production and further processing of activated coke, activated carbons and carbon molecular sieves
CarboTech AC GmbH	Elisenstr. 119, 45139 Essen, Germany	Design and sale of activated coke, activated carbons and carbon molecular sieves

