

SONNERERDE Biochar - Austria

Price 500 € / CORC



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DEALER

Sonnenerde GmbH

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DESCRIPTION

SONNERERDE manufactures a huge variety of high-quality substrates and soil improvement products for various scopes. Each product is carefully adapted to its respective area of use. In 2012 the company built the first biochar production facility in Europe that complies with waste law registrations. One of our main principles is to contribute to a sustainable use of natural resources. We take nature as our example, which works constantly in circles. In accordance with that, we only use biogenic wastes (grain husks, sunflower pods und pulp mud) as raw materials for our biochar production. The waste heat from the carbonization process is used for raw material conditioning and heating. Electric power supply is provided by a photovoltaic system. Our biochar is used as additive for compost or slurry.

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CARBON REMOVAL INFORMATION

Carbon removal method :	Biochar
Capture of CO2:	Photosynthesis
Stabilization of CO2:	Pyrolysis
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Permanence:	Over 1000 years
Status of production:	Audited
Unit of product volume:	tonne
Embodied carbon in product:	2,142
Year of first issuance:	2021
Minimum amount to negotiate:	100
Examples of usage:	Additive for compost, soil, or slurry.

Co-benefits:

Positive co-benefits of our biochar:

- catches nutrients in plant-available form
- serves as habitat for soil micro-organisms
- increases soil fertility
- promotes the formation of humus
- increases water storage capacity of soil
- reduces soil erosion
- binds unpleasant odors
- upcycling – biogenic wastes are transformed to a high-quality product

Economic acceleration impact:

The extra income from selling CORCs will be invested in our new pyrolysis plant. In the first phase of development biochar production will reach an annual capacity of 600 tonnes.

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AUDIT INFORMATION

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Audit statement :

https://static.puro.earth/live/uploads/tinyMCE/Suppliers/Sonnenerde/Puro__Output_audit-statement_OAS-0012_Sonnenerde.pdf

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Independently verified by:

bio.inspecta