

2023



Cretturner
GROUP

CO₂ decomposition with CATALYST technology

Active decomposition of Co₂

Cretturner has proven a scalable technical solution to a global problem

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www.cretturner.com

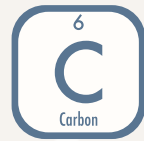
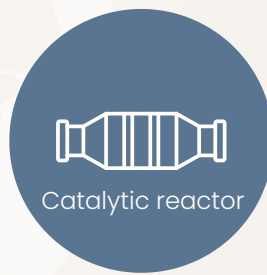


THE PATENT

CO2 DECOMPOSITION
ENVIRONMENTALLY
FRIENDLY
Scalable economic
April 2023

PATENT APPLICATION
FILED
june 2023

PATENT PENDING
2023-2024

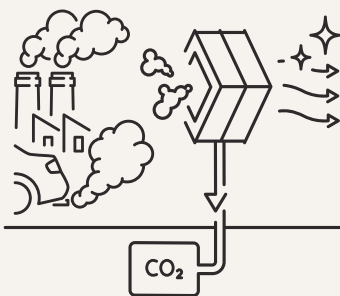


The result is verified by an accredited laboratory, SGS Analytics Sweden

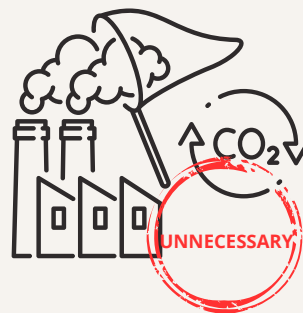
Output is 92.7% pure carbon (margin of error 7.3%)
produced from Co2 gas

The process is suitable for industrial purposes

CONSEQUENCES



DAC*
TECHNOLOGY CAN USE
THE METHOD



CO2 STORAGE
UNDERGROUND

Creturner's solution changes the playing field

*DAC = Direct Air Capture means capturing Co2 from the air



THE SOLUTION ENTAILS

Environmental friendly large-scale decomposition
The energy comes from waste heat

NEXT STEPS

Larger pilot plant
We are building a new demonstration facility and further
developing the technology in a new generation
Collaboration with partners is increasingly sought

CONTACT



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SGS Analytics Sweden AB

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Report No. S2300206

Assigner
 Creturner Group AB

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 777 34 Smedjebacken

Applies to

Analysis

Sample type : Solid powder

Information about sample and sampling

Sampling date	: -	Date of Arrival	: 2023-04-18
Sample ID	: -	Time of Arrival	: 0830
Sampling location	: -	Laboratory activity started	: 2023-04-18
Sampled by	: Daniel Moström		

Results

<i>Test method</i>	<i>Analysis / Investigation of</i>	<i>Result</i>	<i>Uncertainty</i>	<i>Unit</i>
Dry combustion 900 °C, IR-cell	Carbon, C	92.7	±7.3	%

The stated uncertainty of measurement is calculated using a coverage $k = 2$. Measurement uncertainty for accredited microbiological analyses are available from the laboratory upon request.

Comments

Sampling facts have been provided by the client. Laboratory activity started indicates the date when preparation of the sample started.

Linköping 2023-04-24

The report has been reviewed and approved by

Markus Axelsson
 Senior specialist