

# DELTA CARBON

ADVANCED BIO BASED MATERIAL



Biobased materials are green alternatives to their petroleum-based counterparts. New bio-based materials that can compete with traditional are essential elements of future sustainable technologies.

## Application

- 1) Adsorption
- 2) Odour control (functionality depends on application).
- 3) Separation of hydrophilic compounds ( $C_{fix} > 95\%$ ).
- 4) Industrial wastewater purification ( $C_{fix} > 90\%$ ).
- 5) Catalyst support
- 6) Electrode materials for capacitors ( $C_{fix} > 95\%$ ).
- 7) Membrane ( $C_{fix} > 90\%$ ).

## Contact



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## Specification

Delta-carbon with a high  $C_{fix}$  value

Appearance:	Black Powder
Bulk Density:	$< 0.33 \text{ g/cm}^3$
pH:	7 (20 °C)
Total pore volume:	$> 0.5 \text{ ml / g}$
Mesoporosity level:	$> 60\%$
BET Surface area:	$> 300 \text{ m}^2/\text{g}$
Ash content:	$< 1\%$
$C_{fix}$ :	$> 95\%$

Average pore width is around 7nm

\*Our technology is flexible, and some main characteristics could be varied within 15-20% of the specification.

