



## THECNICAL SHEET

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### 1. MANUFACTURER INFORMATION / MARKET OPERATOR

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### 2. PRODUCT

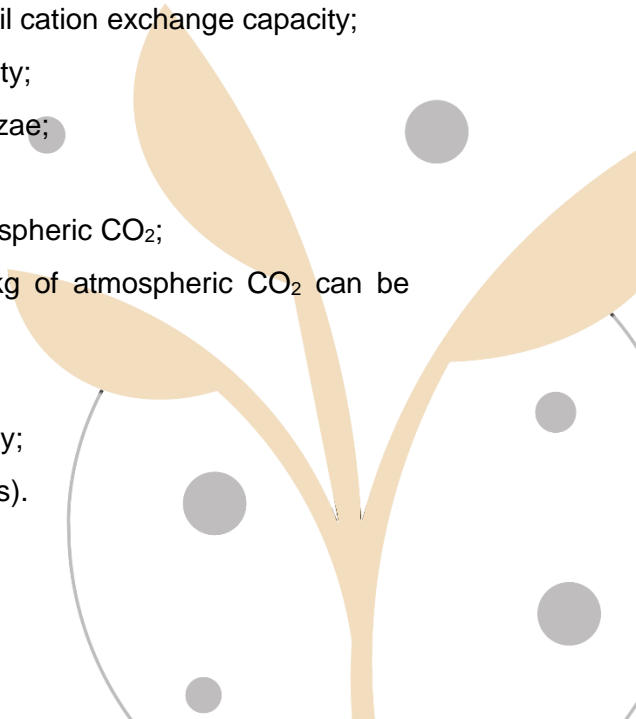
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**TECHNICAL NAME:** Biochar

**COMERCIAL NAME:** ECOCHAR – Soil amendment and soil structure improver

**APPEARANCE:** Ecochar is a solid product, ecological, stable and free from toxic impurities.

Ecochar is an excellent soil amendment and soil structure improver since:

- Increases soil pH up to 1 value and promotes soil cation exchange capacity;
  - Have a high water retention and nutrients capacity;
  - Increases the presence and number of mycorrhizae;
  - Can reduce nutrients losses by leaching;
  - Helps to mitigate climate change, reducing atmospheric CO<sub>2</sub>;
  - For each kg of Ecochar applied on soil, 3.5 kg of atmospheric CO<sub>2</sub> can be captured and stored;
  - Increases crop yield;
  - Have long lifespan in soils, due to its high stability;
  - Promotes soil decontamination (ex. heavy metals).
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ecochar

### 3. PHYSICO-CHEMICAL CHARACTERISTICS

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<b>Appearance:</b> Charcoal granulates	<b>Primary component:</b> Charcoal
<b>Moisture:</b> ≤ 30% (EN 1860-2)	<b>Granulometry:</b> ≤ 10 mm (EN 1860-2)
<b>Fixed Carbon:</b> ≥ 90% (EN 1860-2)	<b>Density:</b> 400 kg/m <sup>3</sup> (EN 1860-2)
<b>Ashes:</b> ≤ 7% (EN 1860-2)	<b>Volatile matter:</b> ≤ 5% (EN 1860-2)
<b>pH:</b> 9	

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#### APPLICATION RATES:

Minimal application rate should be of 10 L/m<sup>2</sup> or by plant area occupied. This application rate can be increased if the target soil is poor in organic matter and carbon.

#### PACKAGING:

Bag or Big Bag (EN 1860-2).

#### STORAGE:

Dry and ventilated place.

