

## Technical data sheet

### 1. PRODUCT IDENTIFICATION

<b>Trade name:</b>	<b>CARBOHUMIC</b>
<b>Article No.:</b>	<b>CMT-01</b>
<b>Manufacturer:</b>	<b>Carbohort Sp. z o.o.</b> Jeżynowa 1 62-002 Suchy Las Poland - EU Tel: +48 506 066 663 <b>biuro@carbohort.com</b> <b>www.carbohort.com</b>
<b>Production site:</b>	Jordanowo 11F 66-203 Jordanowo, Poland - EU

### 2. PRODUCT DESCRIPTION, INGREDIENTS AND PRODUCTION PROCESS

**Trade name of the product:** CARBOHUMIC

**Type of product:** SOIL CONDITIONER

**Chemical characterization:** HUMIC AND FULVIC ACIDS, BIOCHAR, ACTIVE CARBON

**Form:** LIQUID, SOLUTION

**Scent:** SLIGHT SOIL-LIKE

**Colour:** DARK BROWN / BLACK

**PH:** 9-11

**Production method:** MECHANICAL PROCESSING OF LIGNITE AND LEONARDITE – A RICH NATURAL ORGANIC RAW SEDIMENT (A BYPRODUCT OF MINING ACTIVITIES) – AND EXTRACTION WITH CRUDE POTASSIUM SALTS AND WATER

**Quality requirements:**

- a) total nitrogen (N) content => at least 0,5 g/kg dry mass
- b) total phosphorus (P) content => at least 0,060 g/kg d.m.
- c) total potassium (K) content => at least 0,10 g/kg d.m.
- d) total magnesium (Mg) content => at least 1,00 g/kg d.m.
- e) total calcium content (Ca) => at least 2,00 g/kg d.m.

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### Heavy metal content:

Element	Amount detected mg/kg d.m.
Cr (chrome)	6,1
Cd (cadmium)	Below 3,0
Ni (nickel)	4,0
Pb (lead)	Below 10
Hg (mercury)	0,20

### 3. EVALUATION OF THE PRODUCT FOR ITS USEFULNESS AND INTENDED US

CARBOHUMIC soil conditioner is a source of organic matter, which improves sorption and water properties of soils, influences on soil structure and microbiologic activity in soil. The organic substance contained in the preparation exists in liquid form (humic acids, humins) and solid form (active carbon, biochar). Being an active component of humus, CARBOHUMIC exerts a positive influence on the structure of soil and substrate, stimulates the growth of root system, improves soil fertility and supports plant growth and yield. Applied regularly, it contributes to improvement of soil fertility and increase of humus level in soil. The product is designated for use in cultivation of all species of plants. optimal application rates should be determined based on the actual soil characteristics. There are no minimum and maximum limits.

### 4. PACKAGING AND STORAGE

#### Packaging:

Product packed in 1, 5, 20 and 1000L containers.

#### Information about storage conditions:

Store at -5°C to 35°C temperature, in an original, tightly closed container.

#### Information on safe handling:

Do not store together with food or animal feed.

Keep away from children.

## 5. OTHER DETAILS

- **Soil conditioner CARBOHUMIC is not anticipated to be used together with other plant protection products**
- **Transport information**
  - Land transport ADR/RID a GGVS/ GGVE
  - ADR/ RID: not a dangerous matter
  - GGVS/ GGVE: not a dangerous matter
  - Inland waterway transport (AND/ ADR): not a dangerous matter
  - AND/ ADR: not a dangerous matter

This data is based on our present knowledge. However, shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This is an organic product, thus certain parameters can vary.