

PCS775P/FCX PERPETUAL CARBON™

SOILCQUEST BIOCHAR CHIPS



SOILCQUEST, Biochar is a soil conditioner that offers multiple soil health benefits like enhanced nutrient retention, improved soil aeration and water holding capacity. It can be used with all types of plants & crops. For applications such as home gardening, landscaping, organic agriculture and commercial horticulture.

PCS775P/FCX Origin: Forest, plantation and other virgin wood. Traded form: Chips. Carbonisation T 350–500 °C

Benefits

- Renewable additive
- 1.4–2.7 ton carbon removal per ton PCS775P
- Enhanced nutrient retention
- Water holding capacity & microbial activity
- Improved soil aeration and drainage
- Source for voluntary market carbon credits

Applications

- Organic agriculture
- Horticulture
- Wastewater filtration
- Landscaping and gardening
- Environmental remediation



Parameter	Unit	Spec Biochar		Chips*	Testing Standard
		Min.	Typical	Max.	
Length, L	mm	-	16	-	P16
H/C	-	-	0.6	0.7	-
PAH 8 EFSA-PAK	mg/kg	-	0.1	1.0	ISO 13877
PAH 16 EPA-PAK	mg/kg	-	3.2	4.0	ISO 13877
BTEX (Benzene Toluene Ethylbenzene Xylene)	µg/kg	-	70	140	-
Water Holding Capacity (WHC)	%	-	121	-	-
Electrical Conductivity	mS/cm	-	-	0.1	SAA-HLF
Bulk Density, BD	kg/m ³ as received	156	165	230	ISO 17828
Moisture **	w-% as received	1.0	3.0	5.0	ISO 18134-1, ISO 18134-2
Ash (composition available)	w-% dry	0.8	3.0	3.2	ISO 18122
Carbon, C (dry)	w-% dry	72.0	77.5	83.0	ISO 16948
Nitrogen, N	w-% dry	0.1	0.3	0.6	ISO 16948
Hydrogen, H	w-% dry	3.4	4.0	4.4	ISO 16948
Oxygen, O	w-% dry	13.0	14.0	21.0	ISO 16948
Sulphur, S	w-% dry	-	<0.1	0.1	ISO 16994
Chlorine, Cl	w-% dry	-	<0.1	0.1	ISO 16994
Volatiles	w-% dry	25.0	35.0	41.0	ISO 18123
Arsenic, As	mg/kg dry	0.3	0.8	2.0	ISO 16968
Boron, B	mg/kg dry	-	6.0	12.0	ISO 16968
Cadmium, Cd	mg/kg dry	-	0.2	0.3	ISO 16968
Chromium, Cr	mg/kg dry	-	1.0	3.0	ISO 16968
Copper, Cu	mg/kg dry	1.5	4.5	7.0	ISO 16968
Lead, Pb	mg/kg dry	-	2.0	17.0	ISO 16968
Mercury, Hg	mg/kg dry	-	<0.1	0.1	ISO 16968
Nickel, Ni	mg/kg dry	-	1.0	2.0	ISO 16968
Silver, Ag	mg/kg dry	-	<5.0	5.0	ISO 16968
Zinc, Zn	mg/kg dry	19.0	47.0	74.0	ISO 16968

* All information in this specification is based on measurements by a certified laboratory as per the referenced ISO norm
 ** Typical moisture after manufacture; can vary on storage and atmospheric conditions; depending packaging, for safety reasons, moisture can be added up to 50 w-%