PRODUCT SPECIFICATION SHEET

Wakefield® CarbonMicro® 50

Ultra-Fine Low-Moisture Biochar

AVAILABLE FORMAT

SKU	PACKAGE SIZE / FORMAT
3011	Super sack

PRODUCT COMPOSITION

COMPONENT	INCLUSION RATE
Biochar	100.0%

Feedstock: Pre-consumer waste wood from saw and paper mill operations (Southern Yellow Pine).

Production Conditions: Produced at estimated reactor temperatures of ≥ 600 °C with a residence time of approximately 10–30 minutes. Biochar is additionally heated and dried post-production to achieve low moisture.

MEAN PARTICLE SIZE

PARAMETER	RESULT
<50 µ (microns)	100.0%

BIOCHAR KEY PROPERTIES

PARAMETER	RESULT
Organic Carbon	85–95%
Moisture (time of analysis)	≤ 5%
Surface Area (correlation)	300–500 m^2/g
pH	9.0–11.0
Electrical Conductivity	0.8–1.5 dS/m
Bulk Density	30–37 lb/ft^3
Total Ash	5–10%
Total Nitrogen	0.4–0.7%
H:C Molar Ratio	0.1–0.3

HEAVY METALS (MG/KG)

All tested heavy metals are non-detect or below known current regulatory limits.

Biochar analytical testing performed by an independent third-party laboratory. Values are typical ranges and may vary by lot.