



**Certificate Of Analysis
(COA)
Charge Powder**

Parameter	Level	Unit
Humic Acid	≥ 90	% Colorimetric
	≥ 64	% ISO 19822:2018
Fulvic Acid	3.0	% ISO 19822:2018
pH	4.1	SU
Moisture	28	%
Electric Conductivity (EC)	0.39	dS/m
Cation Exchange Capacity (CEC)	198	meq/ 100g
Total Carbon	39	%
Total Organic Carbon	34	%
Total Organic Matter (OM)	59	%
Ash Content	27	%
Total Nitrogen (N)	1.20	%
C:N Ratio	33:1	
Water Solubility	16	%
Macro & Micro-Elements		
Phosphorus, P	0.019	%
Potassium, K ₂ O	0.07	%
Magnesium, Mg	0.12	%
Manganese, MN	140	ppm
Boron, B	87	ppm
Zinc, Zn	9.9	ppm
Iron, Fe	4350	ppm
Calcium, Ca	1.1	%
Copper, Cu	0.69	ppm
Molybdenum, Mo	0.75	ppm
Selenium, Se	3.3	ppm
Silicon, Si	400	ppm
Sulfur, S	0.43	%
Sodium, Na	0.2	%
Heavy Metals		
Lead, Pb	1.70	ppm
Mercury, Hg	<0.1	ppm
Aluminum, Al	0.34	%
Arsenic, As	2.80	ppm
Chromium, Cr	14	ppm

Sources: A & L Laboratories, October 15 2024.