

BioLiNE® Emerald - Technical Data Sheet

BioLiNE® Emerald is an essential tool for helping organic growers manage their crops.

BioLiNE® Emerald is a certified Organic, highly active fulvic acid technology. Developed through years of research to improve the transport and assimilation of nutrients, our products have a proven track record of delivering superior results for growers. Our highly pure and potent liquid fulvic acids is an essential supplement for organic growers.

Fulvic Acid Conc.:	3%	Derived From:	Peat	Color:	Golden Amber
Hydrophobic Fulvic Acid Conc.:	1%	Physical Form:	Liquid	Odor:	Slight Vinegar
Organic Matter:	3%	Specific Gravity:	1.02 – 1.03	pH:	2.5 - 3.0
Total Dissolved Solids (TDS):	6%	Total Suspended Solids: 0.00% (Fully Dissolved & Free of Precipitates)		Mn (Size):	363 Daltons
				PDI:	< 2.0

Features of BioLiNE® Emerald:

- **Low Usage Rate:** As little as 8 oz/ac (200ml/ac) promotes a positive crop response
- **Maximum Purity:** Purified using our proprietary Fulv-IQ™ multi-staged process targeting specific fulvic acid isolates with high activity and nutrient loading capacity
- **Consistency & Reliability:** Adhering to stringent QCMS protocols and using advanced analytical technologies to measure, monitor and control production.

Benefits of BioLiNE® Emerald:

Supplementing crop production with fulvic acids help organic growers improve yields, get the most of their organic nutrients and feed soil biology.

Rapid and Even Emergence

Improved Root Growth

Improved Nutrient Uptake

Improved Nutrient Transport

Improved Nutrient Utilization Efficiency

Improved Water Use Efficiency

Improved Abiotic Stress Resistance

Improved Soil Microbial Population

Improved Crop Growth & Yields

Total Nitrogen (N) %	100 ppm
Total Phosphorus (% as P2O5)	57 ppm
Total Potassium (% as K2O)	3,000 ppm
Sulfur (ppm)	963 ppm
Sodium (ppm)	343 ppm
Calcium (ppm)	884 ppm
Magnesium (ppm)	284 ppm
Boron (ppm)	0.8 ppm
Strontium (ppm)	BDL
Aluminum (ppm)	BDL
Zinc (ppm)	BDL
Arsenic	BDL
Barium	BDL
Beryllium	BDL
Cadmium	BDL
Cobalt	BDL
Chromium	BDL
Copper (ppm)	BDL
Iron	BDL
Mercury	BDL
Manganese	BDL
Molybdenum	BDL
Nickel	BDL
Lead	BDL
Selenium	BDL
Vanadium	BDL



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