

# BioLiNE® Emerald - Technical Data Sheet

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 acid 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:                                | Slightly Sweet |
| 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<br>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       |



## #FirstclassFulvic

www.biolinecorp.ca | 519-847-5747

