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## CERTIFICATE OF ANALYSIS

**Product Code:** 33651024      **Date of Manufacture:** 05/01/2023  
**Certificate Number:** HFBB200421      **Date Certified:** 05/01/2024  
**Product Name:** HF Bloom B      **Storage Conditions:** 0-35°C  
**Hazards:** H316: Causes mild skin irritation  
H320: Causes eye irritation

The undersigned hereby certifies the following data to be true specification of the obtained results of tests and assays.

Test	Results	Specifications
Appearance	Clear, blue	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	102.9 mS/cm	115 ± 10 mS/cm
Acidity	4.41 pH	3.8 ± 0.3 pH
Specific Gravity	1.140 g/ml	1.17 ± 0.03 g/ml
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.33 %	4.0 %
Soluble Potash (K <sub>2</sub> O)	5.74 %	5.0 %
Magnesium (Mg)	0.58 %	0.5 %
Sulfur (S)	1.23 %	0.75 %

### Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.502 mg/kg	<13 mg/kg
Cadmium (Cd)	<0.490 mg/kg	<10 mg/kg
Cobalt (Co)	<0.427 mg/kg	<136 mg/kg
Mercury (Hg)	<0.005 mg/kg	<1 mg/kg
Molybdenum (Mo)	12.8 mg/kg	<42 mg/kg
Nickel (Ni)	<0.508 mg/kg	<250 mg/kg
Lead (Pb)	<0.615 mg/kg	<61 mg/kg
Selenium (Se)	<1.14 mg/kg	<26 mg/kg
Zinc (Zn)	<5.81 mg/kg	<420 mg/kg

Report Approved By:

*Hussein Ramadan*

Hussein Ramadan - Laboratory Manager

Approval

Date: 05/01/2024

