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## CERTIFICATE OF ANALYSIS

**Product Code:** 14220923      **Date of Manufacture:** 08/09/2023  
**Certificate Number:** PK080721      **Date Certified:** 08/09/2023  
**Product Name:** PK SPIKE      **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, transparent	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	158.4 mS/cm	150 ± 10 mS/cm
Acidity	7.75 pH	7.6 ± 0.2 pH
Specific Gravity	1.30 g/ml	1.3 ± 0.04 g/ml
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	14.3 %	14.0 %
Soluble Potash (K <sub>2</sub> O)	15.2 %	15.0 %

### Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.508 mg/kg	112 mg/kg
Cadmium (Cd)	<0.496 mg/kg	83 mg/kg
Cobalt (Co)	<0.432 mg/kg	2,228 mg/kg
Mercury (Hg)	<0.005 mg/kg	6 mg/kg
Molybdenum (Mo)	<0.534 mg/kg	300 mg/kg
Nickel (Ni)	<0.514 mg/kg	1,900 mg/kg
Lead (Pb)	<0.622 mg/kg	463 mg/kg
Selenium (Se)	<1.15 mg/kg	180 mg/kg
Zinc (Zn)	<5.88 mg/kg	2,900 mg/kg

Report Approved By:

*Hussein Ramadan*

Hussein Ramadan - Laboratory Manager

Approval

Date: 08/09/23

