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## CERTIFICATE OF ANALYSIS

**Product Code:** 18870123      **Date of Manufacture:** 17/01/2023  
**Certificate Number:** GPH140219      **Date Certified:** 17/01/2023  
**Product Name:** GPH      **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	Black, Viscous	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	11.20 mS/cm	10 ± 2 mS/cm
Acidity	9.14 pH	9.0 ± 0.5 pH
Specific Gravity	1.024 g/ml	1.02 ± 0.01 g/ml
Soluble Potash (K <sub>2</sub> O)	1.23 %	1.0 %
Humic Acid	6.0 %	6.0 %

### Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.498 mg/kg	13 mg/kg
Cadmium (Cd)	<0.498 mg/kg	10 mg/kg
Cobalt (Co)	<0.424 mg/kg	136 mg/kg
Mercury (Hg)	<0.005 mg/kg	1 mg/kg
Molybdenum (Mo)	<0.498 mg/kg	8 mg/kg
Nickel (Ni)	<0.504 mg/kg	250 mg/kg
Lead (Pb)	<0.610 mg/kg	61 mg/kg
Selenium (Se)	<1.13 mg/kg	26 mg/kg
Zinc (Zn)	<5.76 mg/kg	420 mg/kg

Report Approved By:

*Hussein Ramadan*

Approval Date: 17/01/2023

Hussein Ramadan - Head of R&D and lead Formulator

