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## CERTIFICATE OF ANALYSIS

**Product Code:** 22020323      **Date of Manufacture:** 20/03/2023  
**Certificate Number:** PC109221      **Date Certified:** 20/03/2023  
**Product Name:** Pro Cal      **Storage Conditions:** 0-35°C  
**Hazards:** H315: Causes skin irritation  
H319: Causes serious 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	Yellow/Orange, transparent	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	90.90 mS/cm	100 ± 10 mS/cm
Acidity	3.12 pH	3.2 ± 0.4 pH
Specific Gravity	1.10 g/ml	1.1 ± 0.03 g/ml
Total Nitrogen (N)	2.31 %	2.0 %
Nitrate Nitrogen	2.23 %	2.0 %
Calcium (Ca)	1.78 %	1.5 %
Boron (B)	0.02 %	0.02 %
Copper (Cu)	1.29 ppm	1 ppm
Iron (Fe)	0.06 %	0.05 %
Manganese (Mn)	0.02 %	0.02 %
Zinc (Zn)	0.03 %	0.02 %

### Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.498 mg/kg	112 mg/kg
Cadmium (Cd)	<0.486 mg/kg	83 mg/kg
Cobalt (Co)	<0.424 mg/kg	2,228 mg/kg
Mercury (Hg)	<0.005 mg/kg	6 mg/kg
Molybdenum (Mo)	<0.524 mg/kg	300 mg/kg
Nickel (Ni)	<0.504 mg/kg	1,900 mg/kg
Lead (Pb)	<0.610 mg/kg	463 mg/kg
Selenium (Se)	<1.13 mg/kg	180 mg/kg
Zinc (Zn)	236 mg/kg	2,900 mg/kg

Report Approved  
By:

*Hussein Ramadan*

Hussein Ramadan – Head of R&D and Lead Formulator

Approval

Date: 20/03/2023

