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CERTIFICATE OF ANALYSIS

Product Code: 39820823 Date of Manufacture: 23/08/2023
 Certificate Number: DF1100322 Date Certified: 23/08/2023
 Product Name: Dual Fuel 1 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	Green, transparent	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	132.5 mS/cm	134 ± 4 mS/cm
Acidity	4.05 pH	4.0 ± 0.5 pH
Specific Gravity	1.26 g/ml	1.2 ± 0.05 g/ml
Total Nitrogen (N)		5.0 %
Ammoniacal Nitrogen	0.17 %	0.15 %
Nitrate Nitrogen	5.05 %	4.75 %
Soluble Potash (K ₂ O)	1.52 %	1.0 %
Calcium (Ca)	5.05 %	5.0 %
Boron (B)	0.03 %	0.03 %
Cobalt (Co)	8.38 ppm	5 ppm
Copper (Cu)	72.2 ppm	70 ppm
Iron (Fe)	0.12 %	0.11 %
Manganese (Mn)	0.05 %	0.04 %
Molybdenum (Mo)	7.80 ppm	5 ppm
Zinc (Zn)	0.02 %	0.01 %

Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.494 mg/kg	<112 mg/kg
Cadmium (Cd)	<0.482 mg/kg	<83 mg/kg
Cobalt (Co)	8.38 mg/kg	<2,228 mg/kg
Mercury (Hg)	<0.005 mg/kg	<6 mg/kg
Molybdenum (Mo)	7.80 mg/kg	<300 mg/kg
Nickel (Ni)	1.17 mg/kg	<1,900 mg/kg
Lead (Pb)	<0.605 mg/kg	<463 mg/kg
Selenium (Se)	<1.12 mg/kg	<180 mg/kg
Zinc (Zn)	202 mg/kg	<2,900 mg/kg

Report Approved By:

Hussein Ramadan
 Hussein Ramadan - Head of R&D and Lead Formulator

Approval

Date: 23/08/2023

