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## CERTIFICATE OF ANALYSIS

**Product Code:** 39950824 **Date of Manufacture:** 09/08/2024  
**Certificate Number:** DF1100322 **Date Certified:** 09/08/2024  
**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           | 134.3 mS/cm        | 134 ± 4 mS/cm   |
| Acidity                           | 4.35 pH            | 4.0 ± 0.5 pH    |
| Specific Gravity                  | 1.24 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 <sub>2</sub> 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: 09/08/2024

