

15374 - 103A Ave.
Surrey, BC
Canada
V3R 7A2

Tel: (604) 580-1287
Fax: (604) 580-2375

CERTIFICATE OF ANALYSIS

Product Code: 39150321 **Date of Manufacture:** 05/03/2021
Certificate Number: DF1050321 **Date Certified:** 01/04/2021
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 | 125.1 mS/cm | 134 ± 10 mS/cm |
| Acidity | 3.74 pH | 4.0 ± 0.5 pH |
| Specific Gravity | 1.228 g/ml | 1.24 ± 0.03 g/ml |
| Total Nitrogen (N) | 5.3 % | 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:



Thomas Jones - Laboratory Manager

Approval
Date: 01/04/21

