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## CERTIFICATE OF ANALYSIS

|                            |  |                             |                      |
|----------------------------|--|-----------------------------|----------------------|
| <b>Product Code:</b>       |  | <b>Date of Manufacture:</b> | 21/12/2023           |
| <b>Certificate Number:</b> | 35161223   | <b>Date Certified:</b>      | 21/12/2023           |
| <b>Product Name:</b>       | GG060218<br>GP3 GROW   | <b>Storage Conditions:</b>  | 21/12/2023<br>0-35°C |
| <b>Hazards:</b>            | H316: Causes mild skin irritation<br>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   | Clear, blue       | Conforms          |
| Solubility   | Complete in water | Conforms          |
| Electrical Conductivity                              | 159.5 mS/cm       | 156.8 ± 5 mS/cm   |
| Acidity  | 4.28 pH           | 4.27 ± 0.2 pH     |
| Specific Gravity                                     | 1.136 g/ml        | 1.143 ± 0.01 g/ml |
| Total Nitrogen (N)                                   | 2.79 %            | 2.0 %             |
| Ammoniacal Nitrogen                                  | 0.48 %            | 0.25 %            |
| Nitrate Nitrogen                                     | 2.18 %            | 1.75 %            |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) | 1.33 %            | 1.0 %             |
| Soluble Potash (K <sub>2</sub> O)                    | 6.74 %            | 6.0 %             |
| Magnesium (Mg)                                       | 0.58 %            | 0.5 %             |
| Sulfur (S)   | 1.23 %            | 0.7 %             |
| Copper (Cu)  | 0.006 %           | 0.006 %           |
| Molybdenum (Mo)                                      | 0.001 %           | 0.0008 %          |

### Heavy Metals

| Test            | Results      | Specifications |
|-----------------|--------------|----------------|
| Arsenic (As)    | <0.502 mg/kg | <13 mg/kg      |
| Cadmium (Cd)    | <0.490 mg/kg | <10 mg/kg      |
| Cobalt (Co)     | <0.427 mg/kg | <136 mg/kg     |
| Mercury (Hg)    | <0.005 mg/kg | <1 mg/kg       |
| Molybdenum (Mo) | 12.8 mg/kg   | <42 mg/kg      |
| Nickel (Ni)     | <0.508 mg/kg | <250 mg/kg     |
| Lead (Pb)       | <0.615 mg/kg | <61 mg/kg      |
| Selenium (Se)   | <1.14 mg/kg  | <26 mg/kg      |
| Zinc (Zn)       | <5.81 mg/kg  | <420 mg/kg     |

Report Approved By:

*Hussein Ramadan*

Hussein Ramadan - Laboratory Manager

Approval

Date: 21/12/2023

