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## CERTIFICATE OF ANALYSIS

<b>Product Code:</b>	21180922	<b>Date of Manufacture:</b>	29/09/2022
<b>Certificate Number:</b>		<b>Date Certified:</b>	29/09/2022
<b>Product Name:</b>	Massive	<b>Storage Conditions:</b>	0-35°C
<b>Hazards:</b>	H316: Causes mild skin irritation		
	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	Amber, transparent	Conforms
Solubility	Complete in water	Conforms
Electrical Conductivity	89.87 mS/cm	90 ± 10 mS/cm
Acidity	4.47 pH	4.5 ± 0.5 pH
Specific Gravity	1.09 g/ml	1.09 ± 0.03 g/ml
Total Nitrogen (N)	1.55 %	1.0 %
Ammoniacal Nitrogen	0.26 %	0.1 %
Nitrate Nitrogen	1.07 %	0.9 %
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.5 %	2.0 %
Soluble Potash (K <sub>2</sub> O)	3.76 %	3.0 %
Chelated Iron (Fe)	0.05 %	0.05 %
Molybdenum (Mo)	0.0002 %	0.0002 %
Molasses	0.1 %	0.1 %
Yucca Schidigera	0.1 %	0.1 %

### Heavy Metals

Test	Results	Specifications
Arsenic (As)	<0.498 mg/kg	13 mg/kg
Cadmium (Cd)	<0.498 mg/kg	10 mg/kg
Cobalt (Co)	<0.424 mg/kg	136 mg/kg
Mercury (Hg)	<0.005 mg/kg	1 mg/kg
Molybdenum (Mo)	2.13 mg/kg	2 mg/kg
Nickel (Ni)	<0.504 mg/kg	250 mg/kg
Lead (Pb)	<0.610 mg/kg	61 mg/kg
Selenium (Se)	<1.13 mg/kg	26 mg/kg
Zinc (Zn)	<5.76 mg/kg	420 mg/kg

Report Approved By:

*Hussein Ramadan*

Approval Date:

29/09/2022

Hussein Ramadan- Head of R&D and Lead Formulator

