



CERTIFICATE of ANALYSIS

Performed by:

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Product: Guano Plus

<u>Parameter Name</u>	<u>Result</u>	<u>Trace Elements:*</u>	
Nitrogen (N) _H	0.05 % (a)	Holmium	Neodymium
Phosphoric Acid as P ₂ O ₅ _H	0.41 % (a)	Europium	Selenium _H
Potash (K ₂ O) _H	0.70 % (a)	Copper _H	Barium
Zinc (Zn) _H	5 ppm (a)	Antimony	Samarium
Iron (Fe) _H	160 ppm (a)	Nickel _H	Beryllium
Manganese (Mn) _H	5 ppm (a)	Bismuth	Tin
Magnesium (Mg) _H	0.02 % (a)	Zirconium	Chloride _H
Total Sulfur (S) _H	0.04 % (a)	Lithium _H	Mercury
Calcium (Ca) _H	0.046 % (d)	Palladium	Platinum
Sodium (Na) _H	0.002 % (d)	Rhodium	Rubidium
Boron (B) _H	1.19 ppm (d)	Silver	Tellurium
Bicarbonate	122 ppm (d)	Fluoride _H	Thulium
Sulfate (SO ₄) _H	4,000 ppm (d)	Vanadium _H	Dysprosium
Humic Acid	1.00% (a)	Gold	Praseodymium
C:N Ratio	14:1	Erbium	Rhenium
EC mmhos/cm	19.90 (d)	Thallium	Silicon _H
Sodium Absorption (SAR)	2.67 (d)	Iridium	Aluminum _H
Total soluble salts (TDS)	15,623 ppm (d)	Terbium	Titanium _H
		Lutetium	Gallium
pH	9.22 (d)	Niobium	Molybdenum _H
Weight per gallon	8.46	Lanthanum	Germanium
		Ruthenium	Iodine
Total Solids	36.83 ppm (b)	Yttrium	Bromine _H
Total Suspended Solids	10.85 ppm (b)	Indium	Tungsten
Total Dissolved Solids	22.63 ppm (b)	Cobalt _H	Tantalum
Total Settable Solids	3.34 ppm (b)	Scandium	Hafnium
Solids Organic Matter (Carbon _H)	78.5 % (b)	Ytterbium	

<u>Microbial Analysis:</u>	<u>Enumeration (CFU/ml)</u>
Aerobic bacteria	2.3 X 10 ⁶ (c)
Yeasts and Molds	2.1 X 10 ⁴ (c)
Pseudomonads	1.1 X 10 ⁴ (c)
Actinomycetes	2.8 X 10 ⁵ (c)
Nitrogen-Fixing Bacteria	3.3 X 10 ⁵ (c)
Anaerobic Bacteria	4.9 X 10 ⁵ (c)
Algae enumeration and identification	1.9 X 10 ⁷ cells/ml (c)
<u>Genus</u>	<u>Biomass estimate (c)</u>
Anacystis	85%
Merismopedia	5-10%
Anabaena	2%
Chlamydomonas	few
Diatoms	few

<u>Typical Hormone Analysis</u>	
<u>Compound</u>	<u>(g/15 ml H₂O)</u>
Abacisic Acid (ABA)	0.02
Adenine	0.03
Adenosine	0.06
Indole Acetic Acid	0.05
Zeatin	0.05

* = Trace elements verified by:
 1) University of Arizona
 2) Ford Chemical Laboratory
 H = Known plant elements