

Leonardite, a natural form of humate, mined from Stoney Creek Mine

## Leonardite Products Target Moisture: 24-28%

Radwag PMC 50/NH Moisture Analyzer Balance

Bulk Density: 51 pounds per cubic foot (816.94 kg/m^3 metric equivalent)

## **Typical Data - Random Sample**

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Properties	As Received	Dry Weight
Moisture Total Solids Organic Matter Ash C:N Ratio Total Carbon pH	24.50% 75.5% 58.60% 16.9% 40:1 35.80%	77.62% 22.38% 49.42%
Nutrients	As Received	Dry Weight
Nitrogen (N)  Total Organic (N) Ammonium Nitrogen (N) Nitrate Nitrogen (N) Sulfur (S) Calcium (C) Magnesium (Mg) Sodium (Na)	0.90% 0.87% 0.004% 0.03% 1.55% 2.07% 0.81% 0.19%	I.19% I.15% O.005% O.04% 2.05% 2.74% I.07% .252%
Micro Nutrients A	As Received	Dry Weight
Iron (Fe) Manganese (Mn) Zinc (Zn) Copper (Cu) Boron (B)	13900 ppm 123 ppm 27.6 ppm <20 ppm 213 ppm	18411 ppm 163 ppm 37 ppm 282 ppm
Analysis above conducted by Midwest Labora	atories, Inc.	July 2020
Humic Acid Analysis by Mottz Laboratory, Inc., Phoenix, AZ, June 2020		
Humic Acid Hydrophobic Fulvic Acid Fraction	59.53% 3.64%	ISO 19822 ISO 19822
Humic Acid Analysis by Thornton Laboratories., Tampa, FL, May 2020		
Humic Acid Fulvic Acid	55.86% 7.56%	ISO 19822 ISO 19822

## Humic Acid Analysis by A & L Western Agricultural Laboritories Inc., Modesto, CA, Aug 2020

Humic Acid 77.25% A&L Colormetric method, August 2020

## Humic Acid Analysis by Midwest Labs, Omaha, NE, February 2021

Humic Acid 60.32% Calif HA/JC (rev 2:3-II-09)

Ammonium Nitrogen, Nitrate Nitrogen, Phosphorous P205, Potassium K20, Magmesium, Chloride <1%.

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