

SOURCE ELEVEN

11 Mesh Leonardite

Typical Data - Random Sample

Performance Properties	As Received	Dry Weight	Total Content
Humic Acid % <i>HPTA Method*</i>	59.81%		
Fulvic Acid % <i>HPTA Method*</i>	4.24%		
Humic Acid % <i>CDFA Method**</i>	55.49%		
Humic Acid % <i>A&L Colormetric Method**</i>	88.14%		
Total Carbon (C)	35.83%	50.32%	
Moisture	28.80%		
Total Solids	71.20%		1424.0
Organic Matter	54.90%	77.11%	1098.0
Ash	16.30%	22.89%	326.0
C:N Ratio	41:1		
Total Carbon	35.83%	50.32%	
pH	3.7		
Nutrients	As Received	Dry Weight	Total Content
Sulfur (S)	1.22%	1.71%	24.4
Calcium (C)	1.38%	1.94%	27.6
Iron (Fe)	12700 ppm	17837 ppm	25.4
Manganese (Mn)	158 ppm	222 ppm	0.3
Zinc (Zn)	23.6 ppm	33 ppm	
Copper (Cu)	<20 ppm		
Boron (B)	452 ppm	635 ppm	0.9
Total Nitrogen	0.87%	1.22%	17.4
Organic Nitrogen	0.82%	1.15%	16.3

% passes	Sieve	MM	SGN
98.75	14	1.4	140
82	20	0.85	85
65.75	30	0.589	58.9
36.75	50	0.295	29.5
10.00	100	0.147	14.7

Trace Nutrients (<1%):

Ammonium Nitrogen, Nitrate Nitrogen, Phosphorous P205, Potassium K20, Magnesium, Chloride

Bulk Density: 49.5 lbs per cubic foot

**HPTA Method Testing conducted by Mottz Lab, Phoenix, AZ, April 2019*

***A&L Colormetric and CDFA Testing conducted by A&L Western Agricultural Laboratories, Modesto, CA, March 2019*

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