

Rock Dust Local LLC  
 802-758-2220/ email: stones32@gmavt.net/ www.rockdustlocal.com  
 NATURAL LIGNITE/ LEONARDITE ORE PRODUCTS: Dry 50 lb. Bag, 1 ton Sack or Loose Bulk

TYPICAL ANALYSIS:

<b>Chemical Composition</b>	Humic Acids (Dry Basis) 65% minimum Determined using ACC Procedure TP-3009																						
<b>Elemental Composition</b>	<p>Typical analysis – moisture free.</p> <table border="0"> <tr> <td>Total Nitrogen (N)</td> <td>0.5 – 1.5%</td> </tr> <tr> <td>Available Phosphorus (P<sub>2</sub>O<sub>5</sub>)</td> <td>0.01 – 0.05%</td> </tr> <tr> <td>Soluble Potash (K<sub>2</sub>O)</td> <td>0.1 – 0.5%</td> </tr> <tr> <td>Iron (Fe<sub>2</sub>O<sub>3</sub>)</td> <td>0.5 – 1.5%</td> </tr> <tr> <td>MgO</td> <td>1.5 – 3.0%</td> </tr> <tr> <td>CaO</td> <td>1.0 – 5.0%</td> </tr> <tr> <td>Total Sulfur (S)</td> <td>1.5 – 3.0%</td> </tr> <tr> <td>Boron (B)</td> <td>0.01 – 0.05%</td> </tr> <tr> <td>Manganese (Mn)</td> <td>0.01 – 0.05%</td> </tr> <tr> <td>Potassium (K)</td> <td>0.05 – 0.1%</td> </tr> <tr> <td>Carbon (C)</td> <td>25 – 45%</td> </tr> </table> <p>Meets all regulatory restrictions on heavy metal content</p>	Total Nitrogen (N)	0.5 – 1.5%	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.01 – 0.05%	Soluble Potash (K <sub>2</sub> O)	0.1 – 0.5%	Iron (Fe <sub>2</sub> O <sub>3</sub> )	0.5 – 1.5%	MgO	1.5 – 3.0%	CaO	1.0 – 5.0%	Total Sulfur (S)	1.5 – 3.0%	Boron (B)	0.01 – 0.05%	Manganese (Mn)	0.01 – 0.05%	Potassium (K)	0.05 – 0.1%	Carbon (C)	25 – 45%
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Carbon (C)	25 – 45%																						
<b>Moisture</b>	25-35% as shipped																						
<b>Bulk Density</b>	(Powder) 36-47 lbs./ft <sup>3</sup> (577-753 kilogram/m <sup>3</sup> )																						
<b>pH</b>	pH at 5% solids 3.5-5.0																						

GRADATIONS:  
 “GRANULAR”

<b>Dry Particle Size</b>	10% maximum retained on a 20 mesh (opening size 0.034 inch/864 microns) 35% minimum passing a 200 mesh (opening size 0.0029 inch/74 microns)
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“POWDER”

<b>Dry Particle Size</b>	10% maximum retained on a 20 mesh (opening size 0.034 inch/864 microns) 35% minimum passing a 200 mesh (opening size 0.0029 inch/74 microns)
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“ULTRAFINE”

<b>Dry Particle Size</b>	1% maximum retained on a 20 mesh (opening size 0.034 inch/864 microns) 55% minimum passing a 200 mesh (opening size 0.0029 inch/74 microns)
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“NATURAL”

<b>Dry Particle Size</b>	#10-0 (2mm-0) “Natural” is mine run screening, typical gradation, may vary.
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