



**AGRO-LIG® NATURAL**

Agro-Lig Natural is an excellent feedstock for processes which make alkaline-extract humic substances. It can also be incorporated directly into soil. Agro-Lig Natural's high carbon content stimulates soil organisms and continued use improves soil structure and organic content.

<b>Leonardite Source</b>	Gascoyne, North Dakota, USA																						
<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																						

Last Updated July 2013

The information contained herein is believed to be accurate and reliable. AMCOL accepts no responsibility for the results obtained through use of this product. AMCOL reserves the right to update information without notice.

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