

## TECHNICAL DATA SHEET

### +50 Mesh Natural Flake Graphite

#### Indicative Characteristics

Available Grades: 94% to 99% Graphitic Carbon  
 Particle Size Distribution: > 80% +50 Mesh (> 300 $\mu$ )  
 Moisture Content: < 0.5% (< 0.1% available)  
 Volatile Matter: 1.3% (< 0.4% available)  
 Sulphur: 0.01%  
 Loose Bulk Density: 0.55g/cm<sup>3</sup> or 34.5 lb/cu.ft

<b>Ash Analysis</b>		<b>Trace Elements (ppm)</b>	
Silica	SiO <sub>2</sub> 54.1%	Antimony	0.1
Alumina	Al <sub>2</sub> O <sub>3</sub> 20.7%	Arsenic	1.8
Titania	TiO <sub>2</sub> 0.2%	Beryllium	0.1
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub> 14.6%	Boron	21.1
Lime	CaO 5.0%	Cadmium	<0.1
Magnesia	MgO 1.4%	Chromium	112.2
Potassium Oxide	K <sub>2</sub> O 2.4%	Cobalt	1.6
Sodium Oxide	Na <sub>2</sub> O 0.7%	Copper	4.9
Sulphur Trioxide	SO <sub>3</sub> 0.3%	Gold	<0.1
Phosphorous Pentoxide	P <sub>2</sub> O <sub>5</sub> 0.4%	Lead	1.3
Strontium Oxide	SrO 0.1%	Lithium	12.3
Barium Oxide	BaO 0.1%	Molybdenum	<1.0
Manganese Oxide	Mn <sub>3</sub> O <sub>4</sub> 0.1%	Nickel	475.6
		Selenium	0.2
		Silver	<0.2
		Tin	<0.2
		Vanadium	3.1
		Zinc	40.4
		Zirconium	<1.0