
TECHNICAL DATA SHEET

-100 Mesh Natural Flake Graphite

Indicative Characteristics

Available Grades: 94% to 98% Graphitic Carbon
 Particle Size Distribution: > 80% -100 Mesh (< 150 μ)
 Moisture Content: < 0.5% (< 0.1% available)
 Volatile Matter: 1.3% (< 0.4% available)
 Sulphur: 0.01%
 Loose Bulk Density: 0.55g/cm³ or 34.5 lb/cu.ft

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