
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 |