



MG-2599 High Purity Micronized Graphite

General Characteristics

Formula: Carbon
 Aspect: Fine black powder
 Purity: 99.5-99.99%C
 CAS Number: 7782-42-5

Guaranteed Ash Values

0.1% Maximum LOI

Guaranteed Values

Moisture: 0.1% Max
 D50 (Laser Diffraction) 25 μm

Typical Values

Ash Analysis - Key Elements

| Element | Concentration |
|---------|---------------|
| Al | 0.10 |
| Ca | <0.50 |
| Co | <0.05 |
| Cr | <0.50 |
| Cu | <0.10 |
| Fe | 0.32 |
| Mo | 1.20 |
| Ni | <0.05 |
| Pb | <0.10 |
| Sb | <0.10 |
| Si | 16.00 |
| V | 0.81 |
| S | 0.81 |
| Zn | <0.10 |

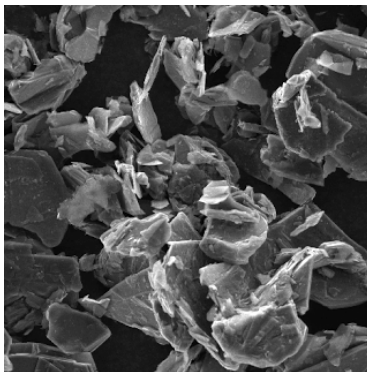
Particle Size Distribution

D90 30.0
 D50 23.6
 D10 9.4

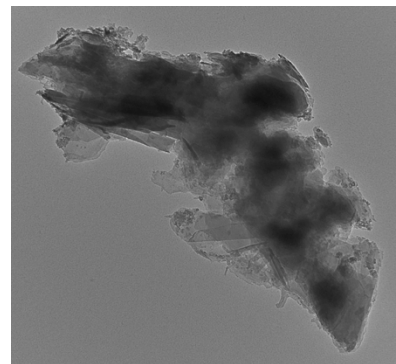
Porosity Surface Area Analysis

BET 3.44 m^2/g
 Langmuir 13.72 m^2/g
 T-plot 4.59 m^2/g
 Temkin 0.635 m^3/g
 Average Pore Width 47.51 \AA

Note: Concentrations shown in PPM



SEM image at 1320x



TEM image at 18500x

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