



## MG-1599 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

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Moisture: 0.5% Max  
 D50 (Laser Diffraction) 16  $\mu$ m

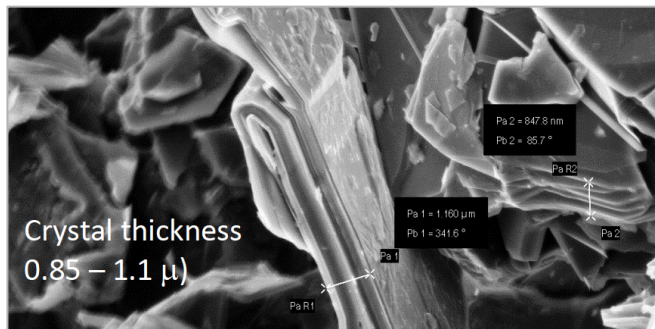
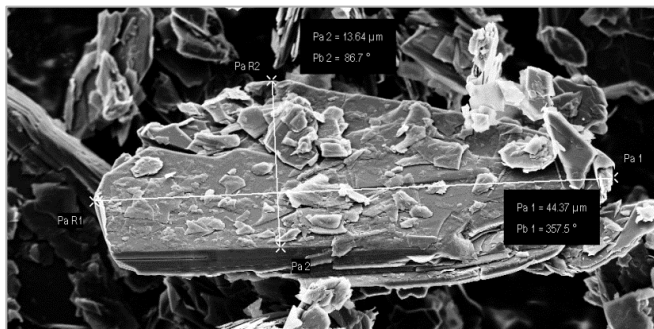
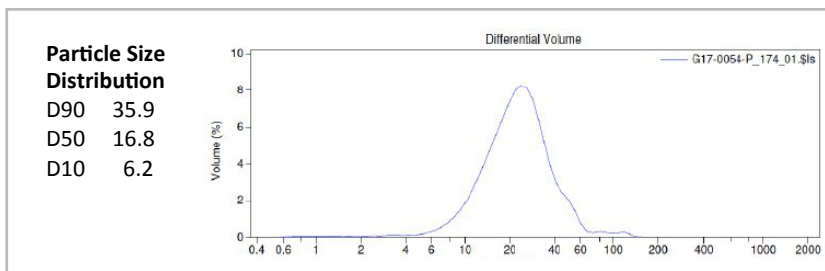
### Typical Values

#### 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

### Porosity Surface Area Analysis

BET 3.44 m<sup>2</sup>/g  
 Langmuir 13.72 m<sup>2</sup>/g  
 T-plot 4.59 m<sup>2</sup>/g  
 Temkin 0.635 m<sup>3</sup>/g  
 Average Pore Width 47.51 Å



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