

Graphene Anode Grade

Catlog Number: BMAM-0013

• Description

Multi-layered graphene nanoplatelets with high surface area and exceptional conductivity for high-power density and fast ion transport research.

• Basic Information

Chemical Formula: C

Appearance: Black Flakes

D50 Particle Size: 5 - 15 μm

Tap Density: $\geq 0.15 \text{ g/cm}^3$

BET Surface Area: 400 - 700 m^2/g

1st Discharge Capacity: $\geq 450 \text{ mAh/g}$

1st Coulombic Efficiency: $\geq 75\%$

Carbon Content: $\geq 99.0\%$

Active Metal Content: N/A

Ash Content: $\leq 0.10\%$

Moisture Content: $\leq 0.50\%$

pH Value: 6.5 - 8.5

Iron (Fe) Impurity: $\leq 30 \text{ ppm}$

True Density: 2.1 - 2.2 g/cm^3

Compaction Density: N/A

Crystal Structure: 2D Hexagonal

Surface Coating: None

Magnetic Impurities: $\leq 20 \text{ ppb}$

Electronic Conductivity: $\sim 10^3 \text{ S/cm}$

Voltage Range: 0.01 - 3.0 V

Purity: $\geq 99.5\%$

Primary Application: High-power research

Thermal Stability: High

Cycle Life: $\geq 1000 \text{ cycles}$

 For Research or Industrial Raw Materials, Not For Personal Medical Use!