Eata Battery

Multi-Walled CNT (Anode Grade)

Catlog Number: BMAM-0015

Description

High-purity MWCNTs used to build robust conductive networks within the anode, improving rate performance and mechanical stability of silicon-based electrodes.

Basic Information

Chemical Formula: C

Appearance: Black Powder

D50 Particle Size: N/A

Tap Density: ≥ 0.1 g/cm³

BET Surface Area: 150 - 300 m²/g

1st Discharge Capacity: ≥ 350 mAh/g

1st Coulombic Efficiency: ≥ 80%

Carbon Content: ≥ 98%

Active Metal Content: N/A

Ash Content: ≤ 1.5%

Moisture Content: ≤ 0.50%

pH Value: 6.0 - 8.0

Iron (Fe) Impurity: ≤ 100 ppm

True Density: 1.8 - 2.1 g/cm³

Compaction Density: N/A

Crystal Structure: Tubular

Surface Coating: None

Magnetic Impurities: ≤ 50 ppb

Electronic Conductivity: ~10^4 S/cm

Voltage Range: 0.01 - 2.5 V

Purity: ≥ 98.0%

Primary Application: Conductive network

Thermal Stability: Excellent

Cycle Life: ≥ 1500 cycles

Eata Battery delivers the world's battery makers a single, reliable source for every high-performance raw material—cathode to collector, catalyst to membrane—so you can design, scale and ship next-generation batteries faster.

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