

## Single-Walled CNT (Anode Grade)

Catlog Number: BMAM-0025

### • Description

Ultra-high conductivity single-walled carbon nanotubes (SWCNTs) used to enhance electronic networks in high-capacity silicon or sulfur electrodes.

### • Basic Information

Chemical Formula: C

Appearance: Black Powder

D50 Particle Size: N/A

Tap Density:  $\geq 0.05$  g/cm<sup>3</sup>

BET Surface Area: 400 - 1000 m<sup>2</sup>/g

1st Discharge Capacity:  $\geq 400$  mAh/g

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

Carbon Content:  $\geq 95\%$

Active Metal Content: N/A

Ash Content:  $\leq 2.0\%$

Moisture Content:  $\leq 0.80\%$

pH Value: 6.0 - 8.0

Iron (Fe) Impurity:  $\leq 150$  ppm

True Density: 1.7 - 2.0 g/cm<sup>3</sup>

Compaction Density: N/A

Crystal Structure: Tubular

Surface Coating: None

Magnetic Impurities:  $\leq 100$  ppb

Electronic Conductivity:  $\sim 10^5$  S/cm

Voltage Range: 0.01 - 2.5 V

Purity:  $\geq 95.0\%$

Primary Application: Conductive Additive

Thermal Stability: Excellent

Cycle Life:  $\geq 1000$  cycles

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