

## Technical data

Categories No: TNGMC2

Name: Graphitized -COOH Functionalized Multi-walled Carbon Nanotubes

Purity: >99.9%

-COOH Content: 1.28wt%

OD: 8-15nm [OD=Outer Diameter]

ID: 3-5nm [ID=Inner Diameter]

Length: 10-50um

SSA: >117m<sup>2</sup>/g [SSA=Special Surface Area]

Color: Black

True density: ~2.1 g/cm<sup>3</sup>

EC: >100s/cm [EC=Electric Conductivity]

Making method: CVD, at 2800°C to preparation

## **Application instruction**

Potential Application of Carbon Nanotubes

Additives in polymers

Catalysts

Electron field emitters for cathode ray lighting elements

Flat panel display

Gas-discharge tubes in telecom net works

Electromagnetic-wave absorption and shielding

Energy conversion

Lithium-battery anodes

Hydrogen storage

Nanotube composites (by filling or coating);

Nanoprobes for STM, AFM, and EFM tips

Nanolithography

Nanoelectrodes

Drug delivery

Sensors

Reinforcements in composites

Supercapacitor