

Technical data

Categories No: TNGM2

Name: Graphitized Multi-walled Carbon Nanotubes

Purity: >99.9%

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

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

Length: 10-50um

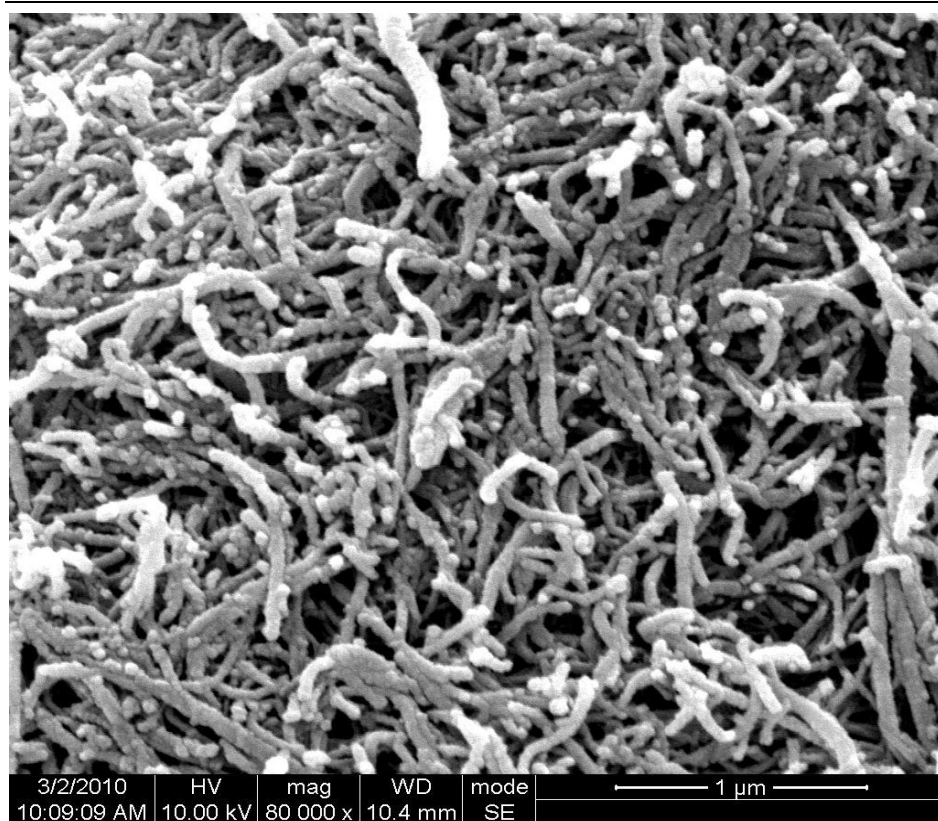
SSA: >90m²/g [SSA=Special Surface Area]

Color: Black

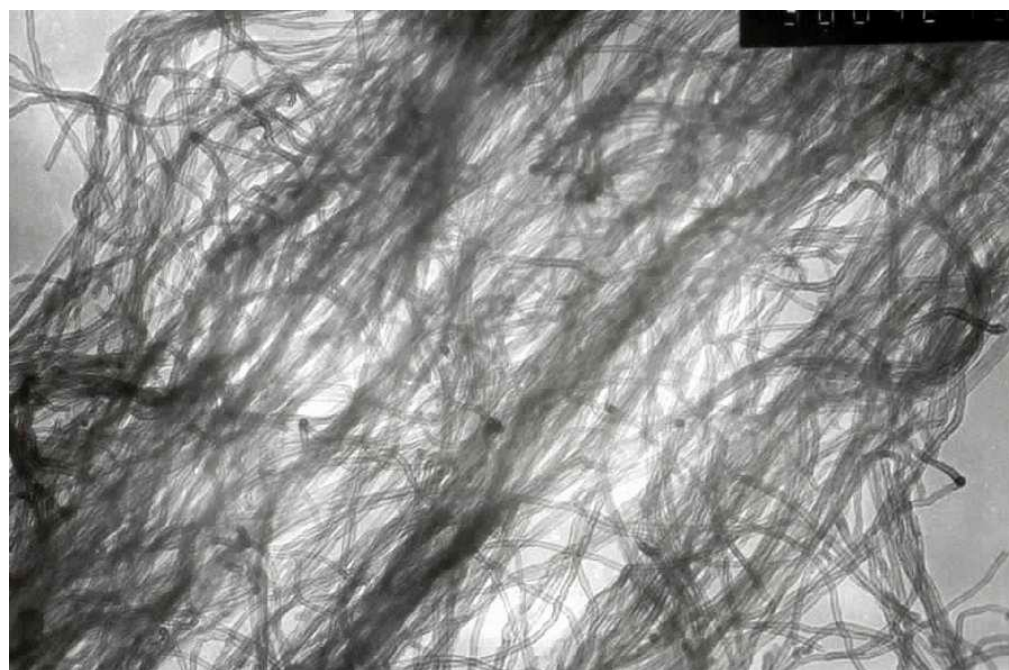
True density: ~2.1 g/cm³

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

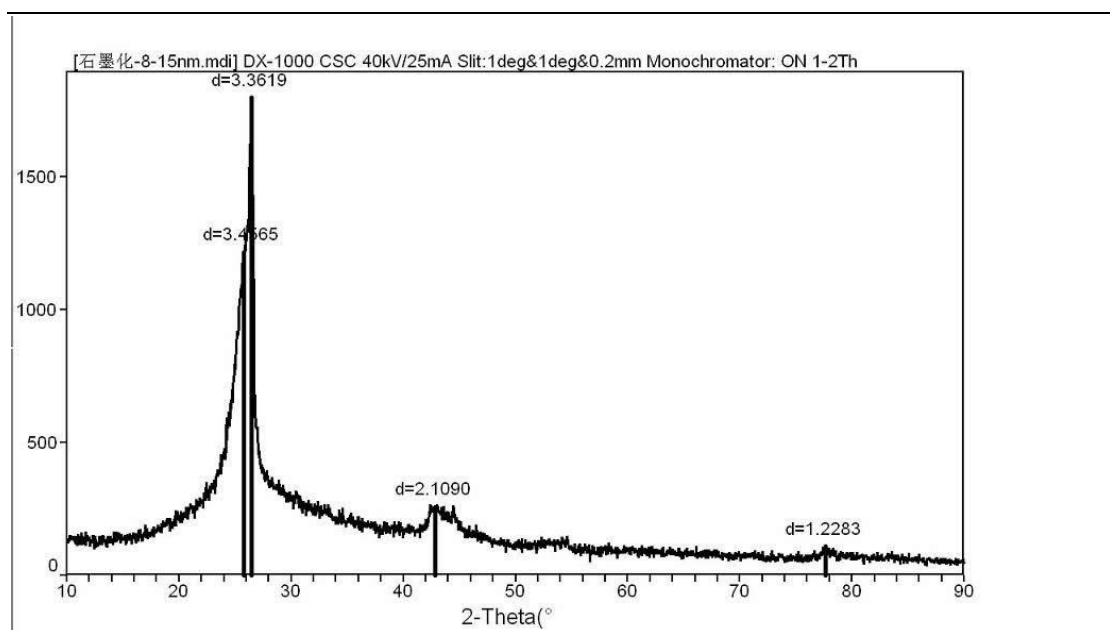
Making method: CVD, at 2800°C to preparation



SEM

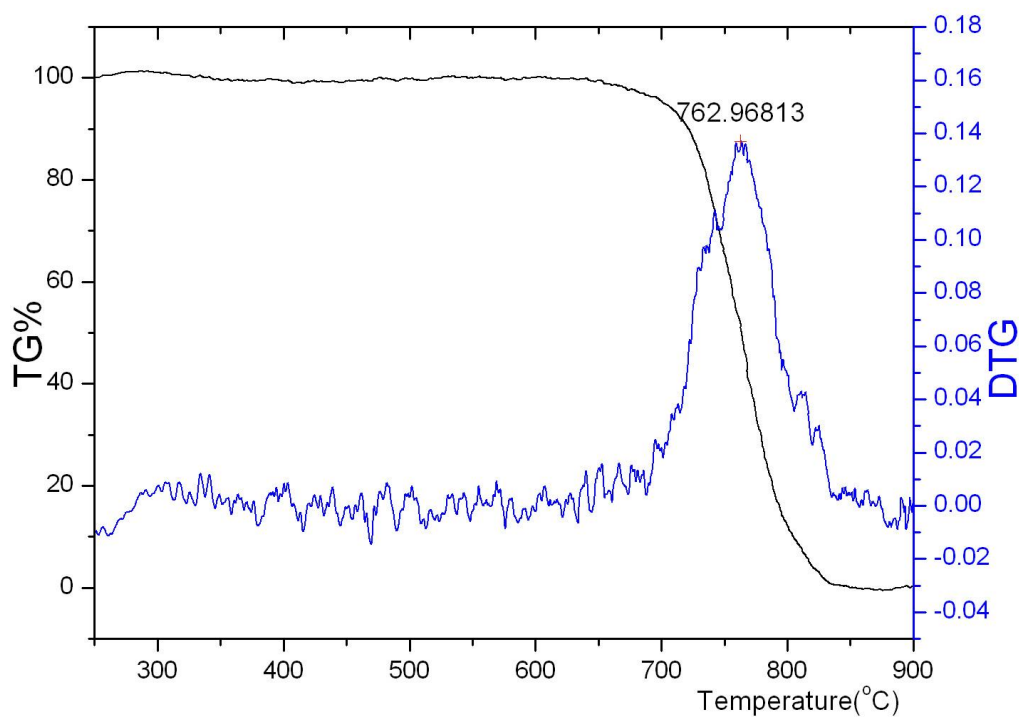


TEM



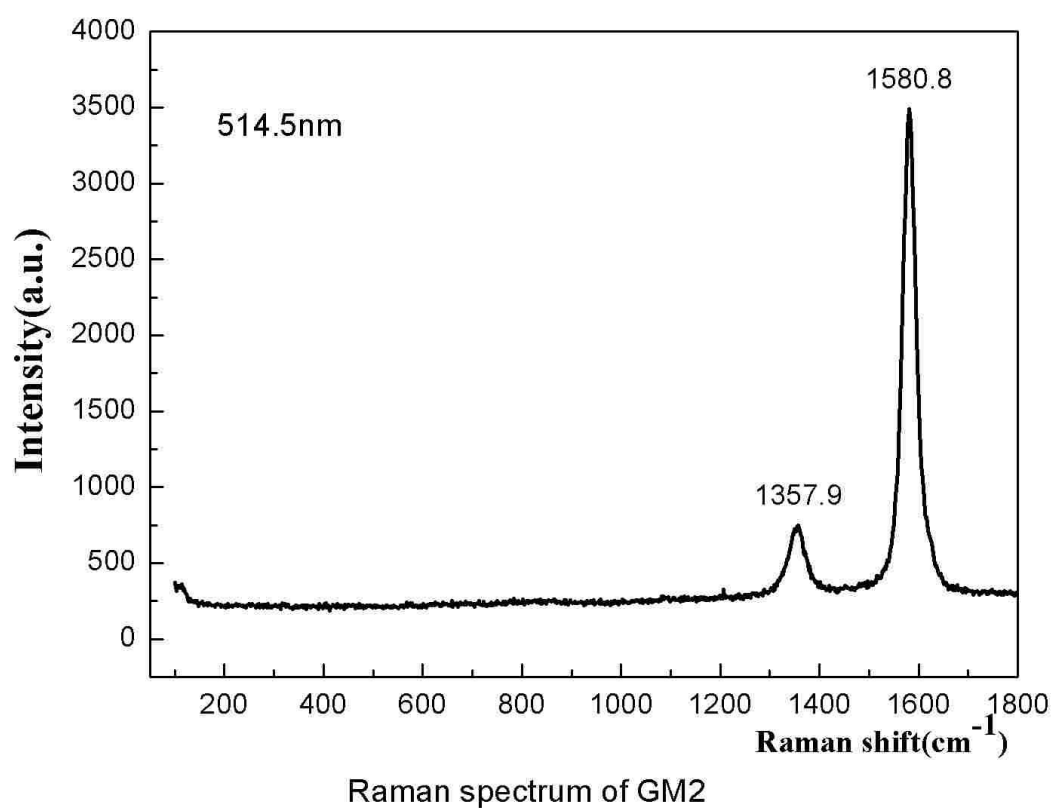
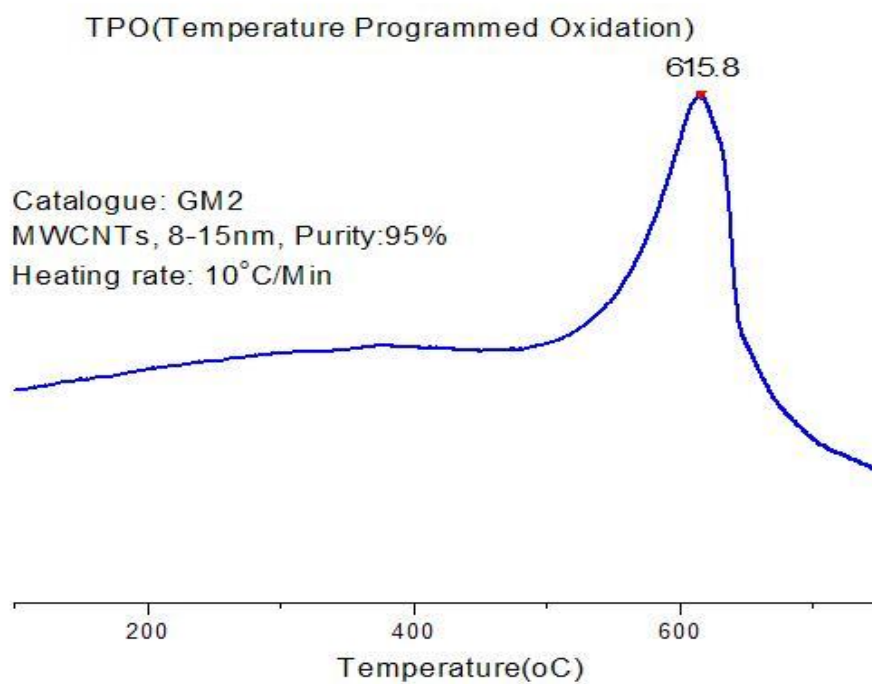
X-ray diffraction pattern

Graphitized MWNT OD 8-15nm



TG curve of graphitized 8-15nm MWNT

TGA



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 networks

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