

Technical data

Categories No: TNM2

Name: Multi-walled carbon nanotubes (MWCNTs)

Purity: >95%

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

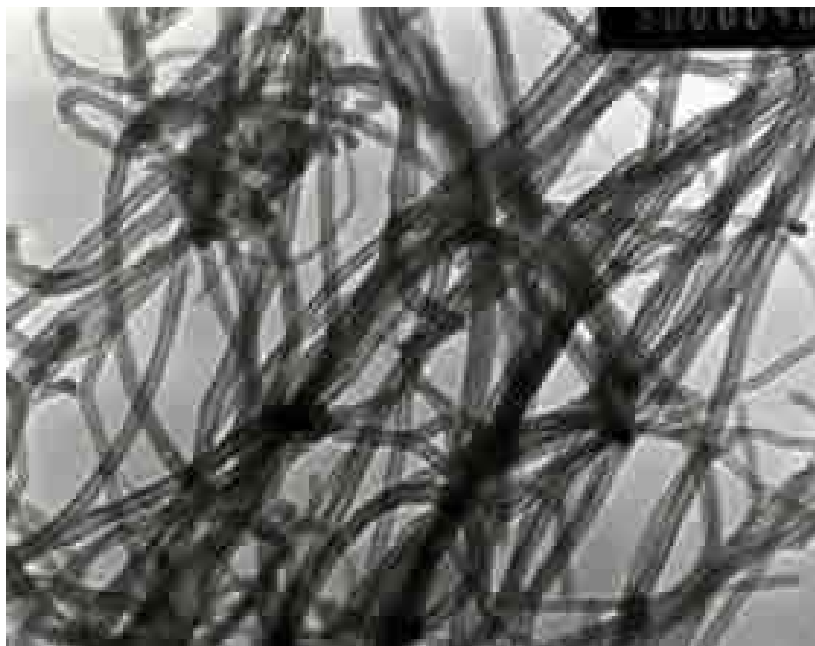
Length: ~50um

SSA: >140m²/g [SSA=Specific Surface Area]

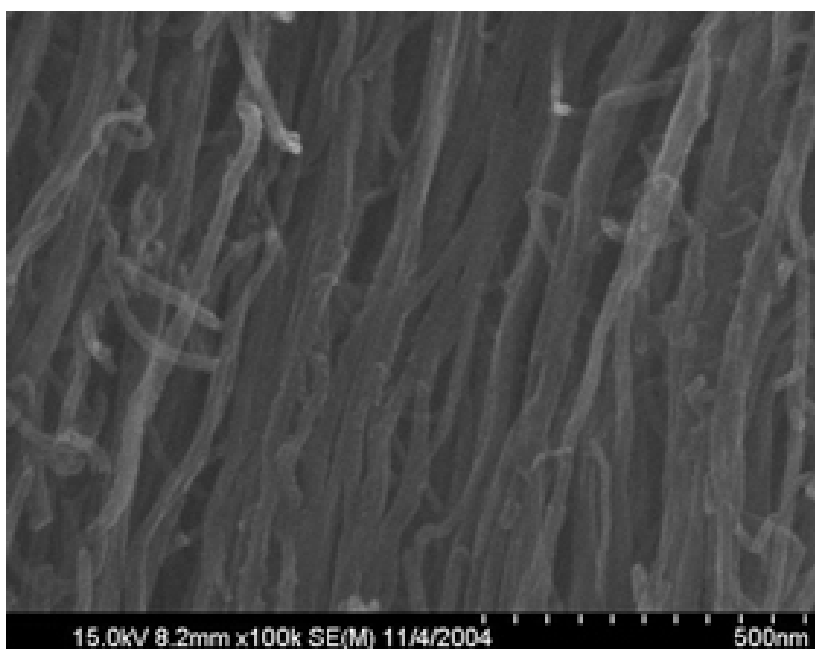
Color: Black

Making method: CVD

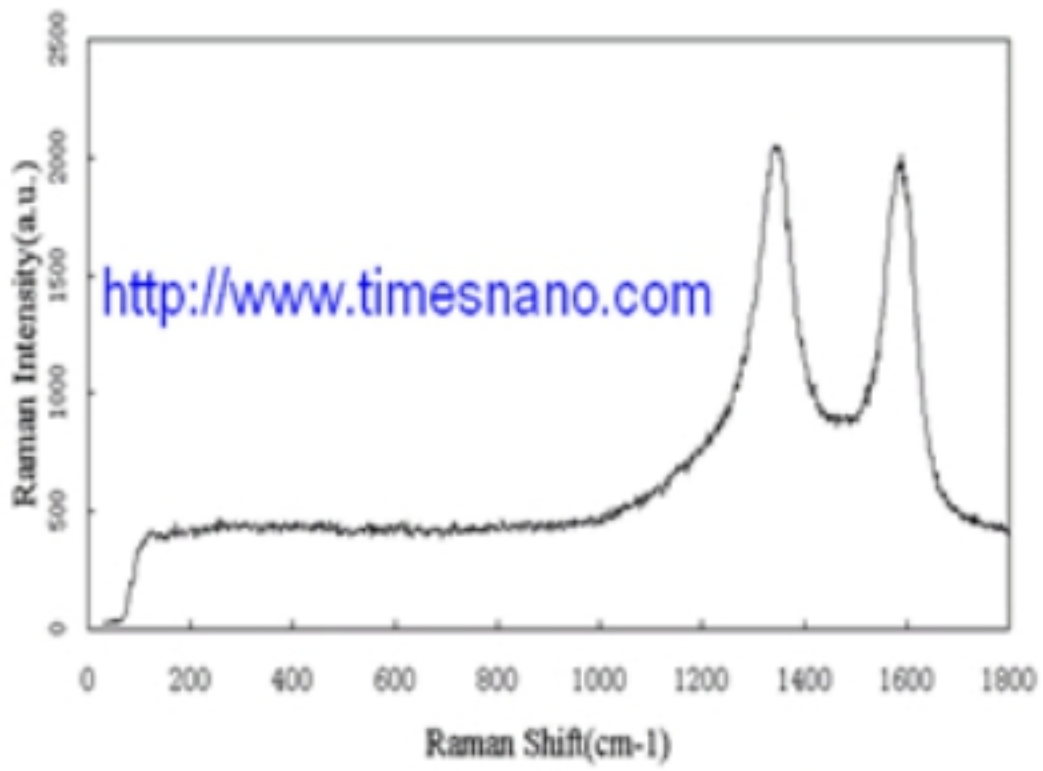
Testing pictures



Transmission Electron Microscopy (TEM)

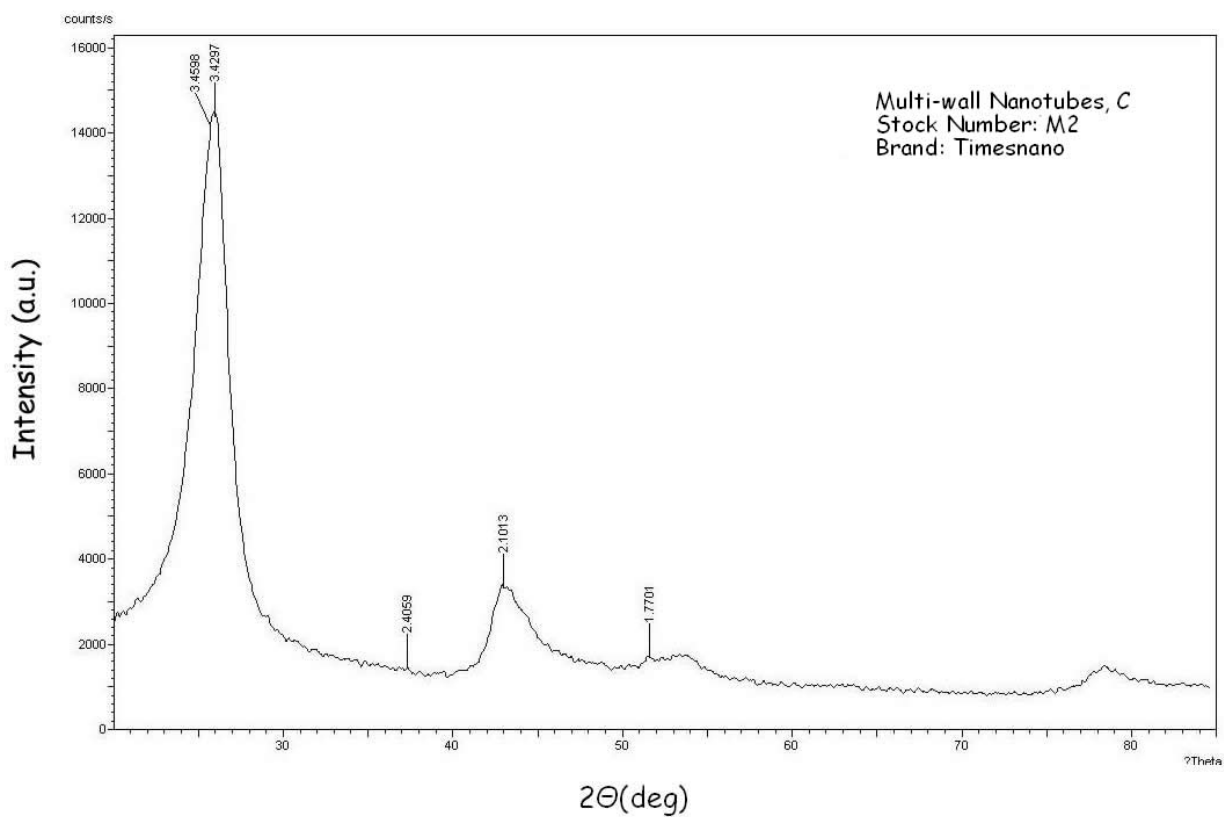


Scanning Electron Microscopy (SEM)



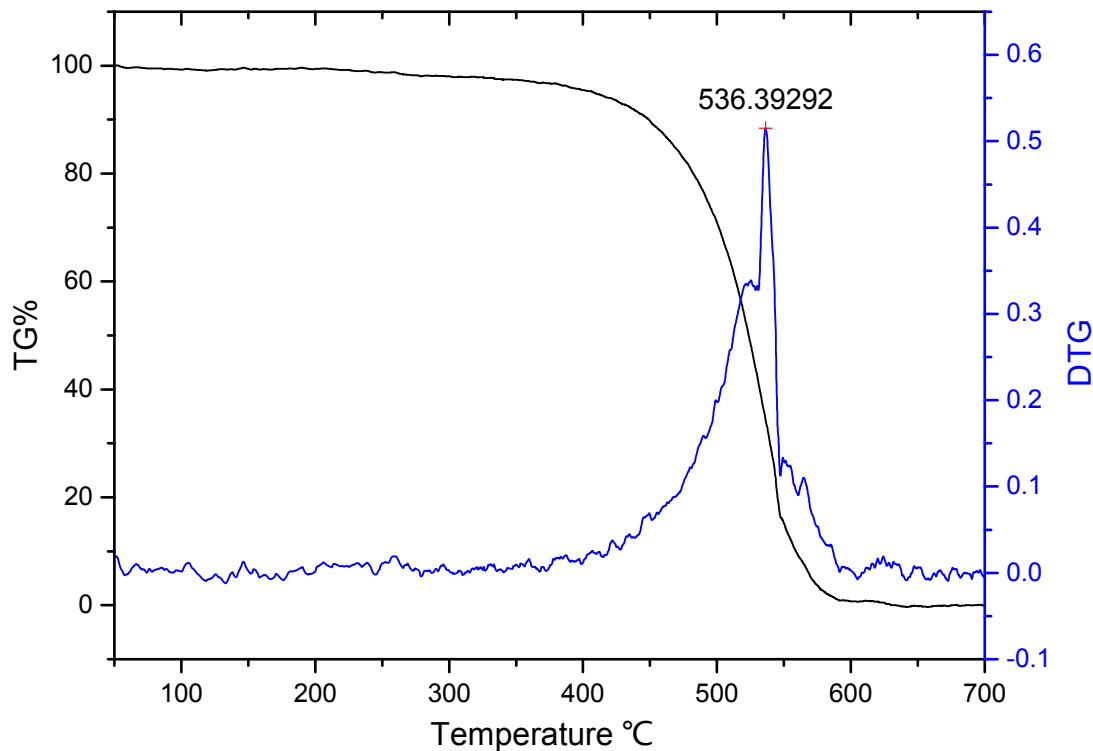
Raman Spectrum of MWCNTs With OD 8-15nm

Raman Spectra



X-ray diffraction pattern

MWNT OD: 8-15nm



TG Curve of 8-15nm MWNT

Certificate of Analysis

Components	Contents (%)
C	98.86
Fe	0.2
Ni	0.5
Cl	0.09
S	0.12

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