

Technical data

Categories No: TNMC8

Name: -COOH Functionalized Multi-walled Carbon Nanotubes
(MWCNTs-COOH)

Purity: >98%

-COOH Content: 0.49wt%

(The rate of surface carbon atom: 8-10mol%)

OD: 30-80nm [OD=Outer Diameter]

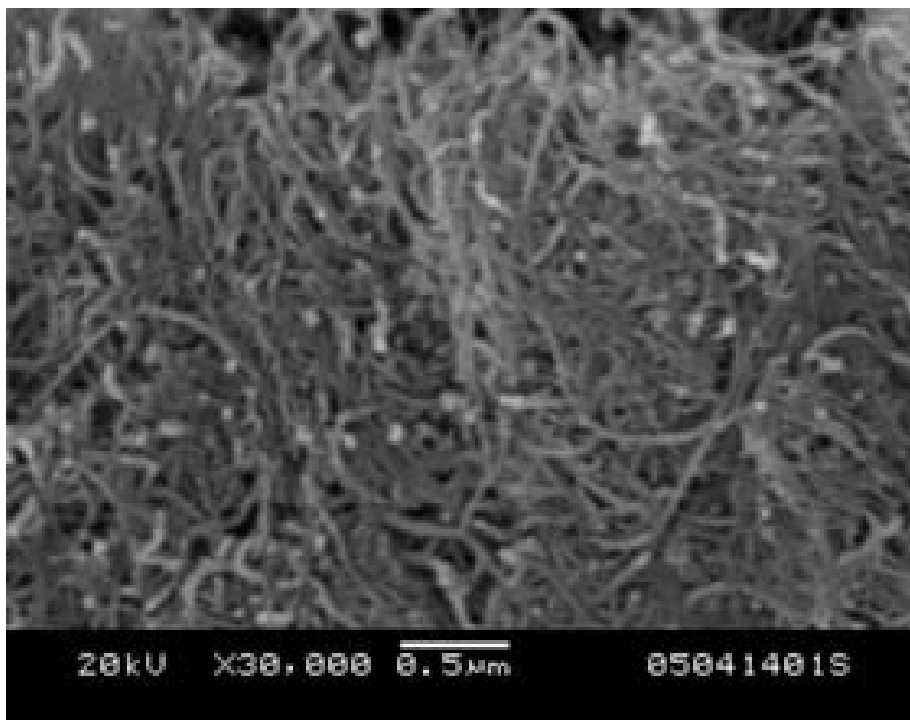
Length: <10um

SSA: >60m²/g [SSA=Specific Surface Area]

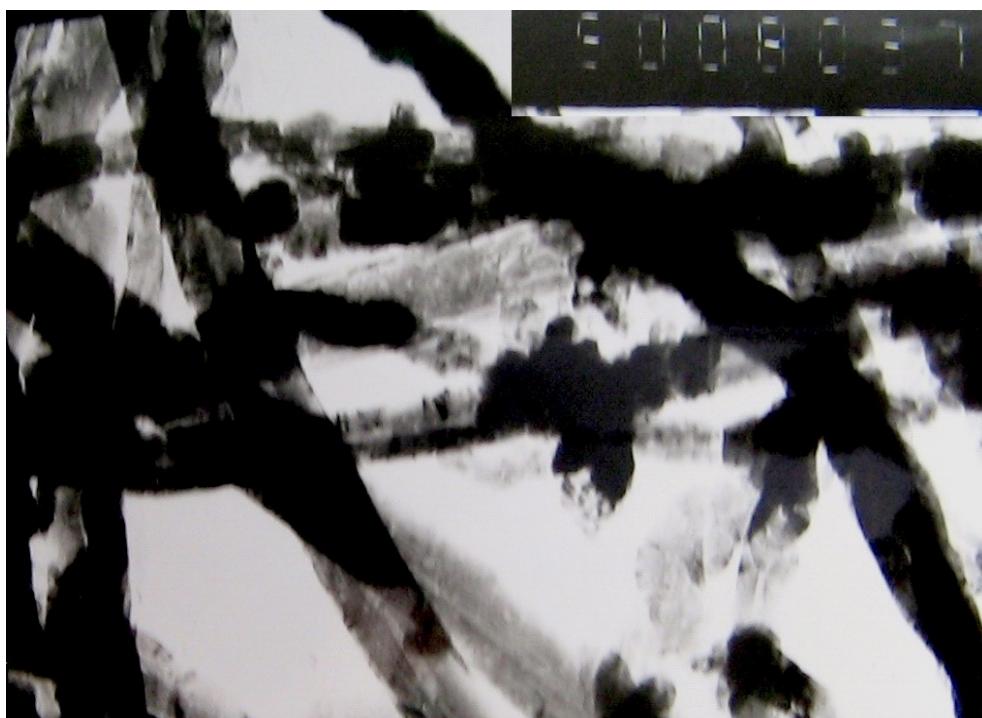
Color: Black

Making method: CVD

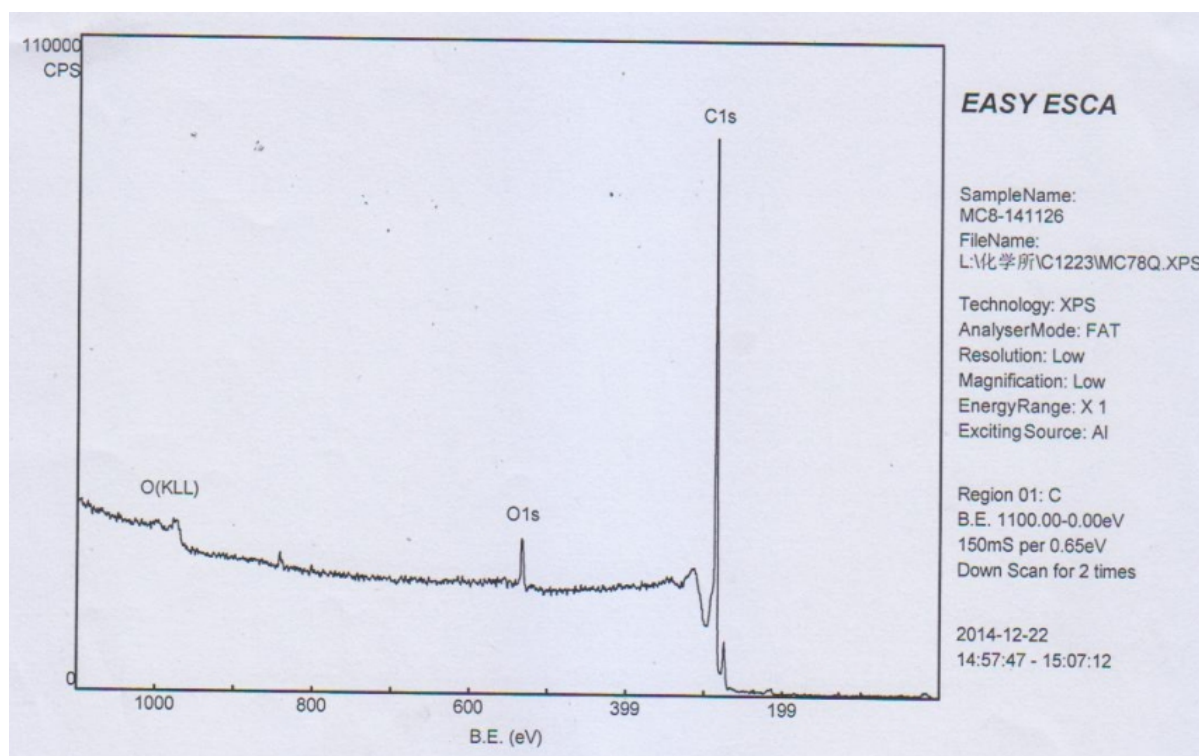
Testing pictures



Scanning Electron Microscopy (SEM)



TEM



Components	Area(CPS)	Contents	Components
C	7400	0.25	96.07%
O	800	0.66	3.93%

XPS

Application instruction

- Potential Applications 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