

Technical data

Categories No: TNMH5

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

Purity:>98%

-OH Content: 1.76wt%

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

OD:20-30nm [OD=Outer Diameter]

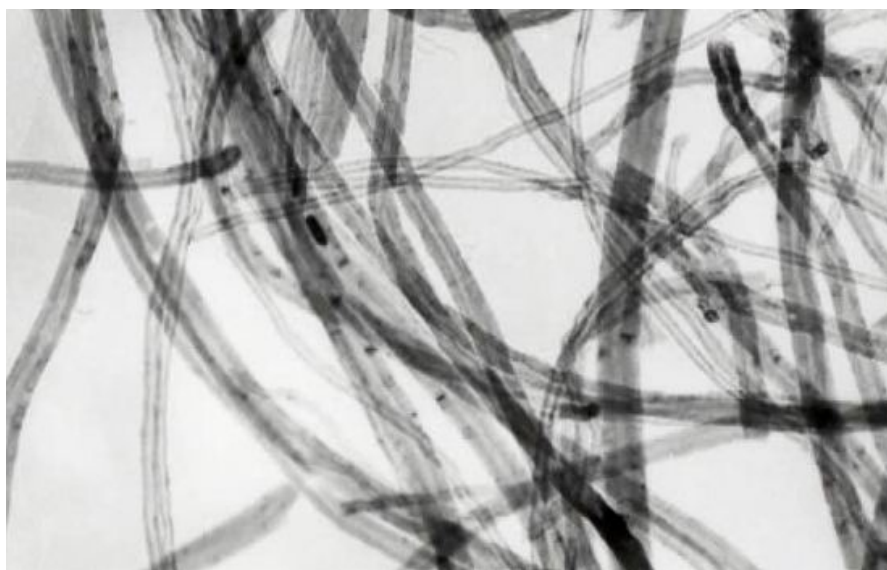
Length: 10-30um

SSA: >110m²/g [SSA=Specific Surface Area]

Color: Black

Making method: CVD

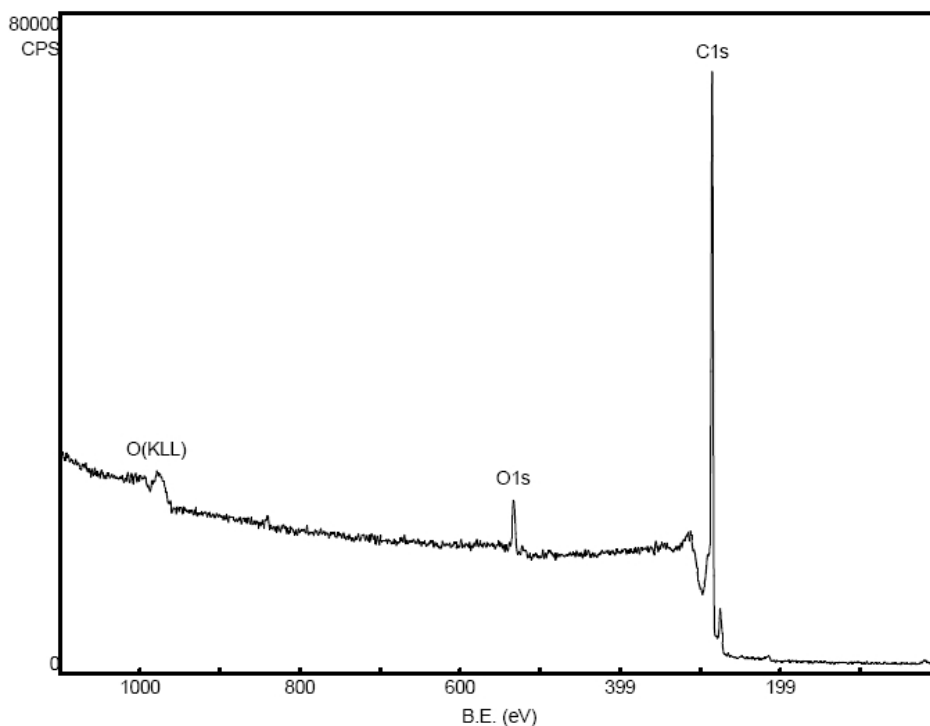
Testing pictures



Transmission Electron Microscopy (TEM)



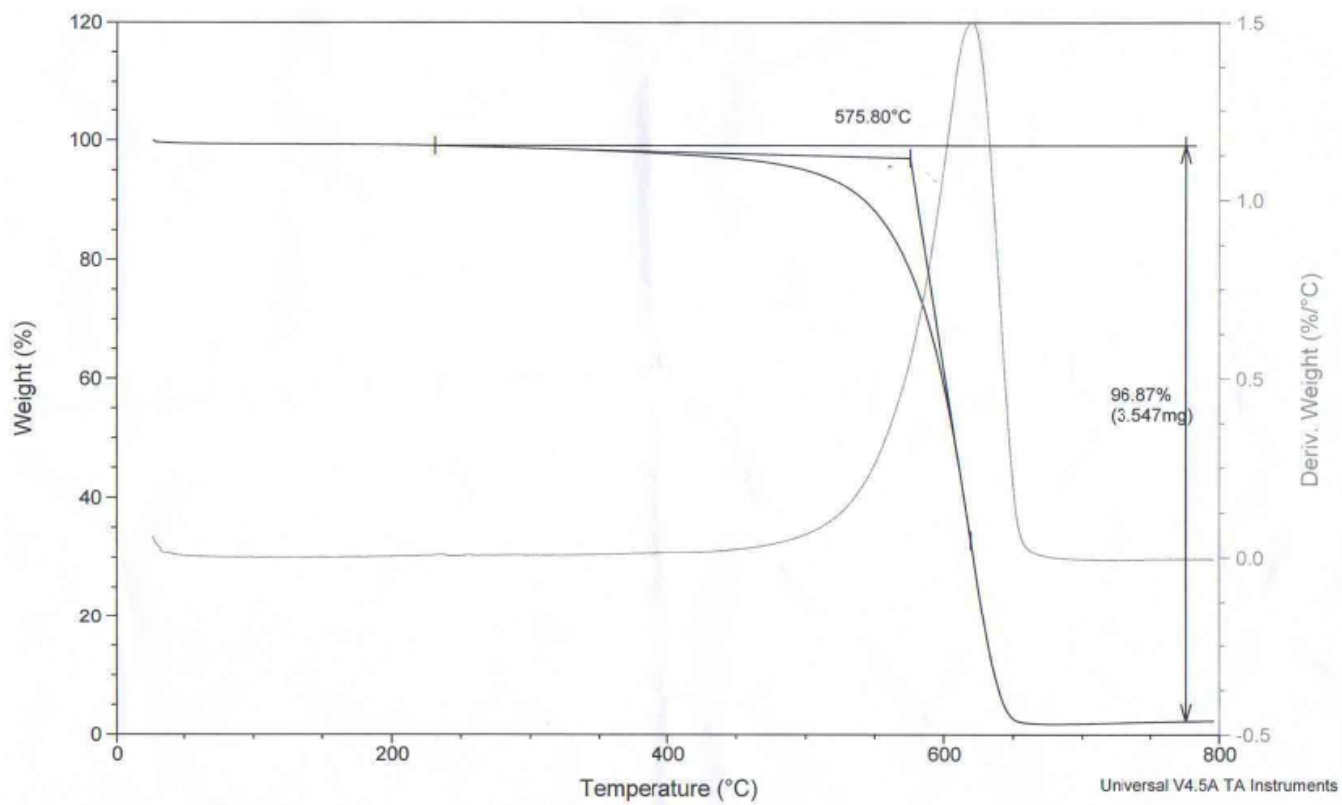
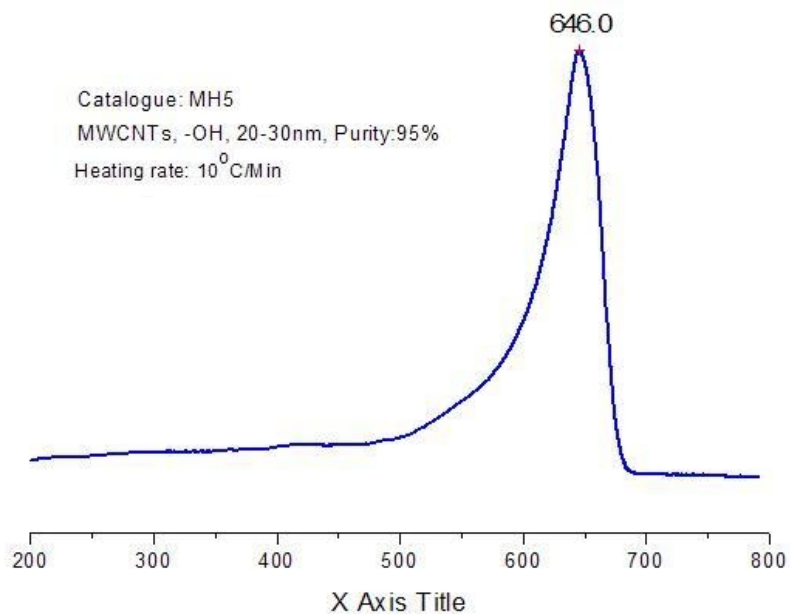
Scanning Electron Microscopy (SEM)



Components	Area(CPS)	Contents	Components
C	54045.1	0.25	94.78%
O	7853.3	0.66	5.22%

XPS

TPO(Temperature Programmed Oxidation)



TGA

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