

Technical data

Categories No: TNMH7

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

Purity: >98%

-OH Content: 1.06wt%

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

OD: 30-50nm [OD=Outer Diameter]

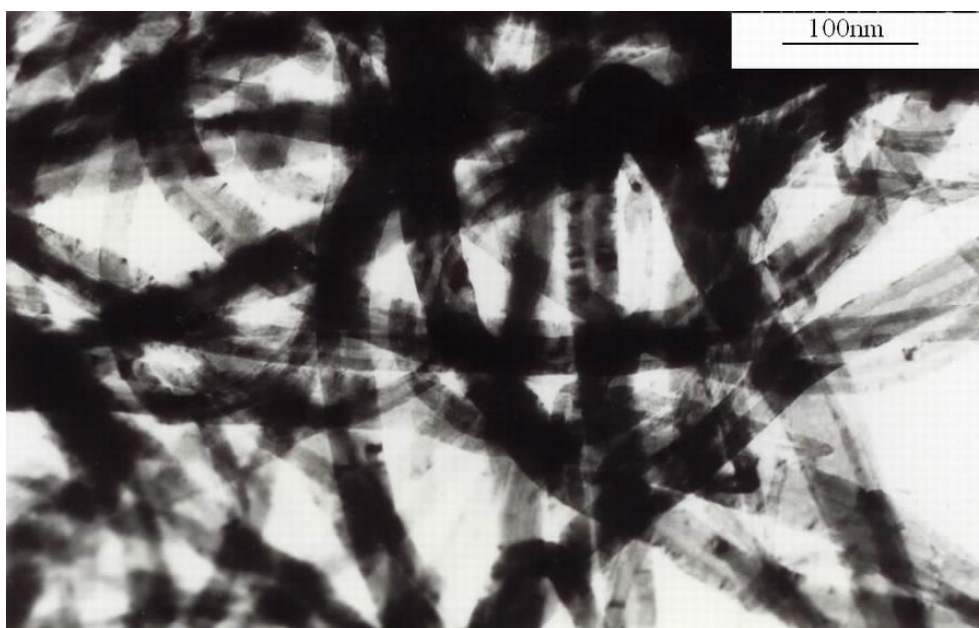
Length: <10um

SSA: >100m²/g [SSA=Specific Surface Area]

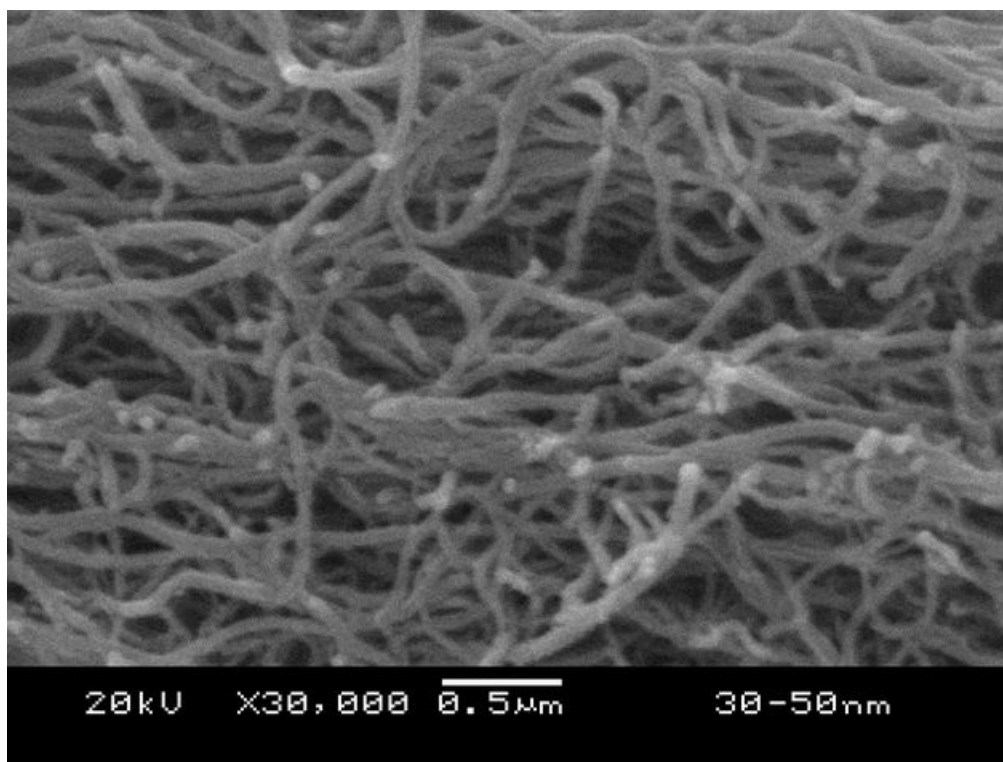
Color: Black

Making method: CVD

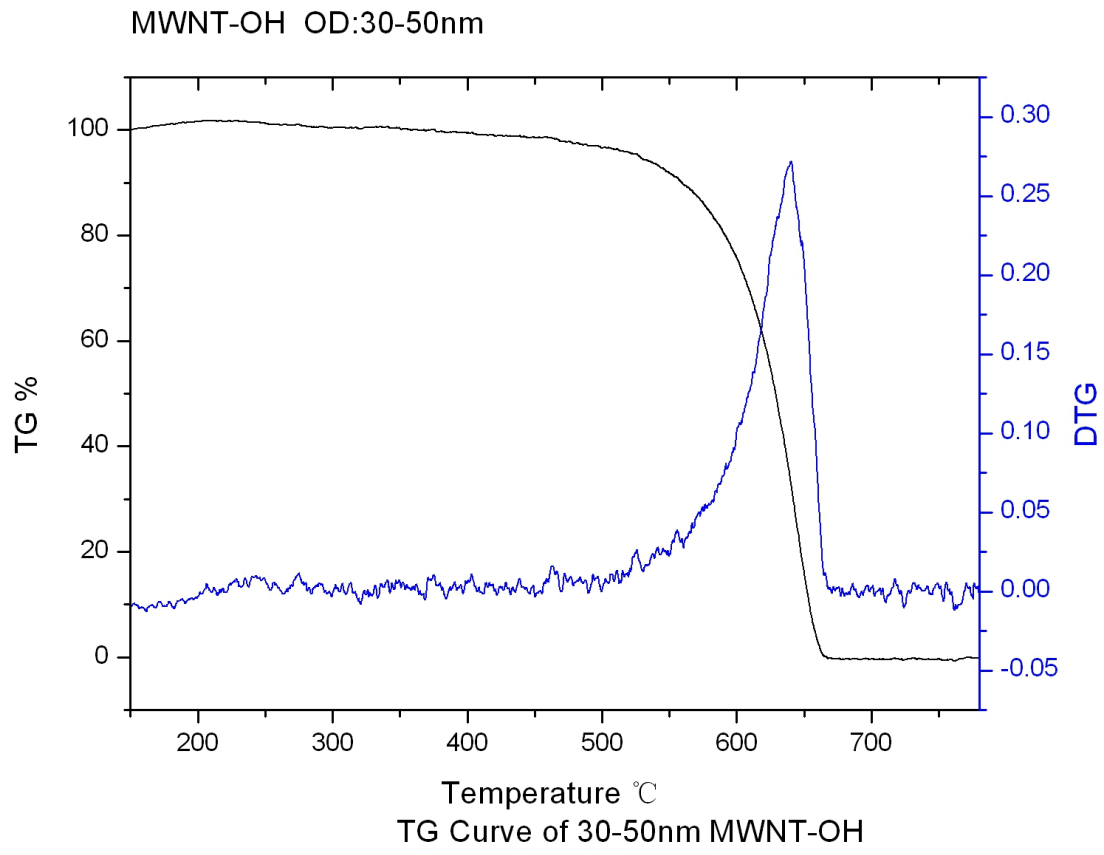
Testing pictures



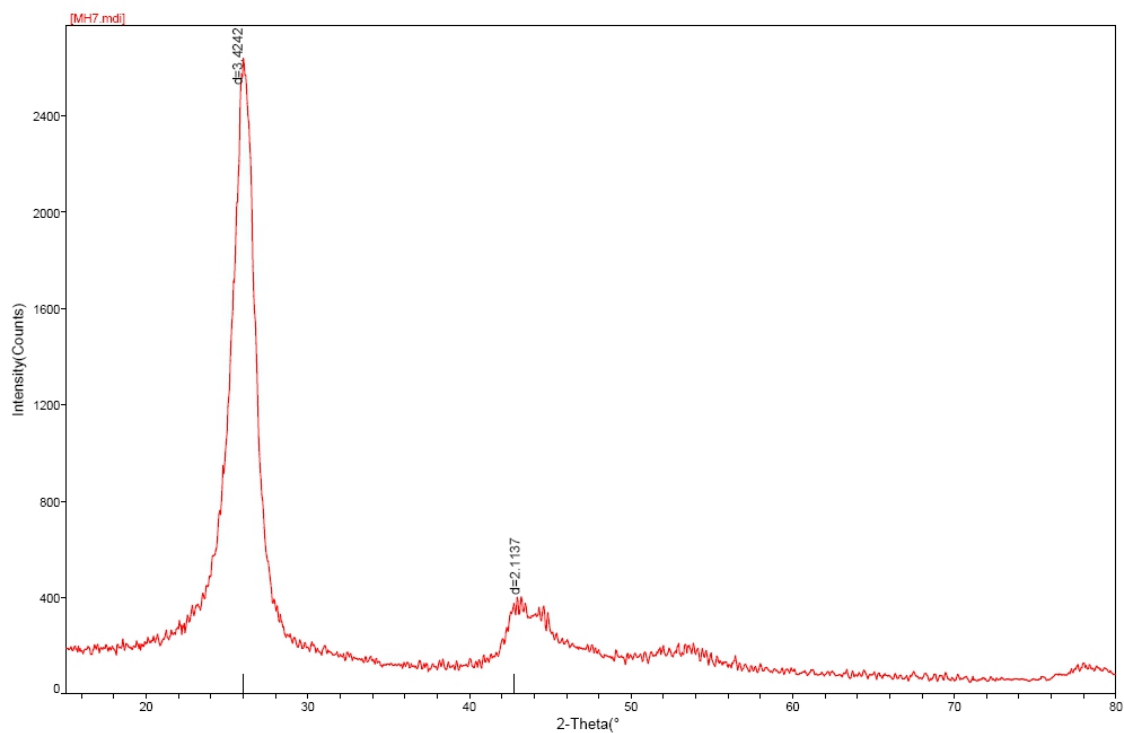
Transmission Electron Microscopy (TEM)



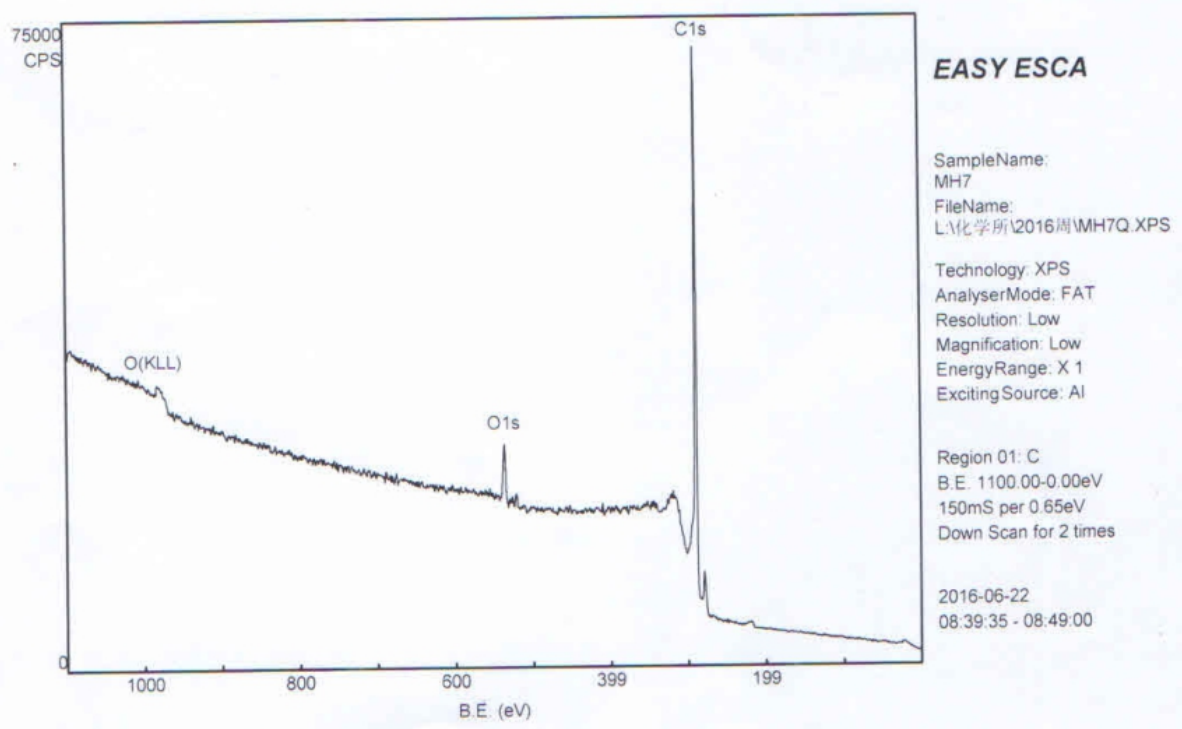
Scanning Electron Microscopy (SEM)



TGA



XRD



XPS

Components	Area(CPS)	Contents	Components
C	7700	0.25	95.76%
O	900	0.66	4.24%

Application instruction

Potential Applications of Carbon Nanotubes

Additives in ploymers

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