

Technical data

Categories No: TNMC7

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

Purity: >98%

-COOH Content: 0.73wt%

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

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

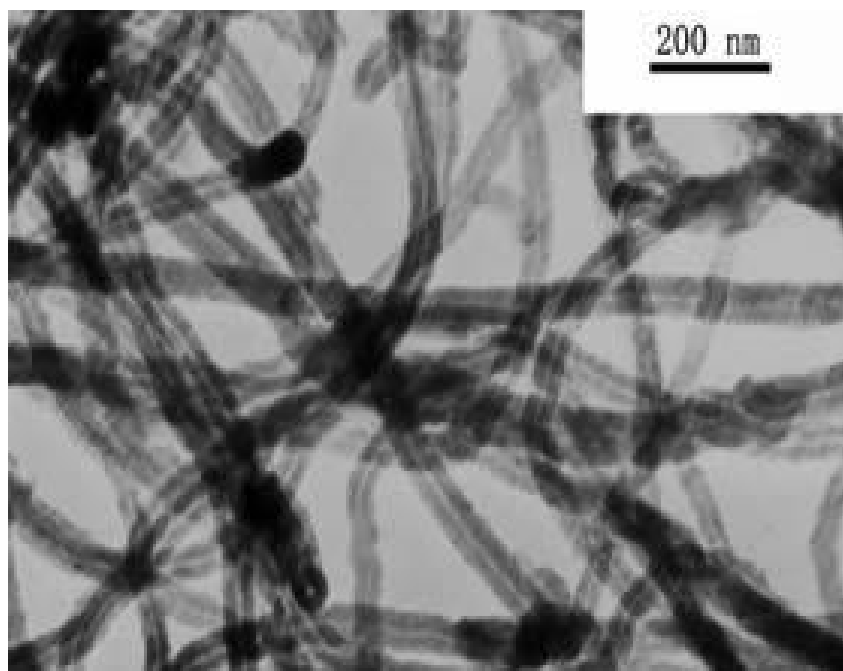
Length: <10um

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

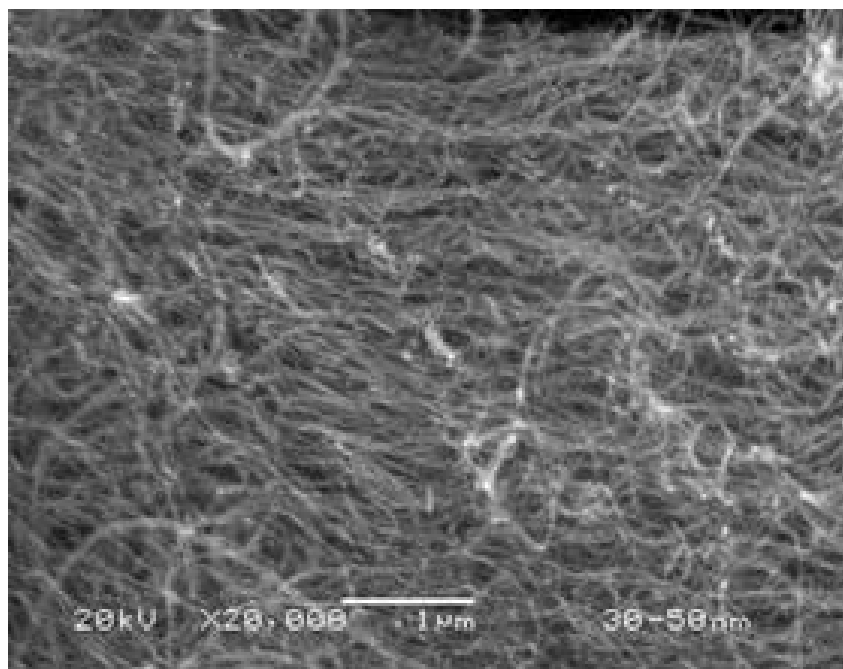
Color: Black

Making method: CVD

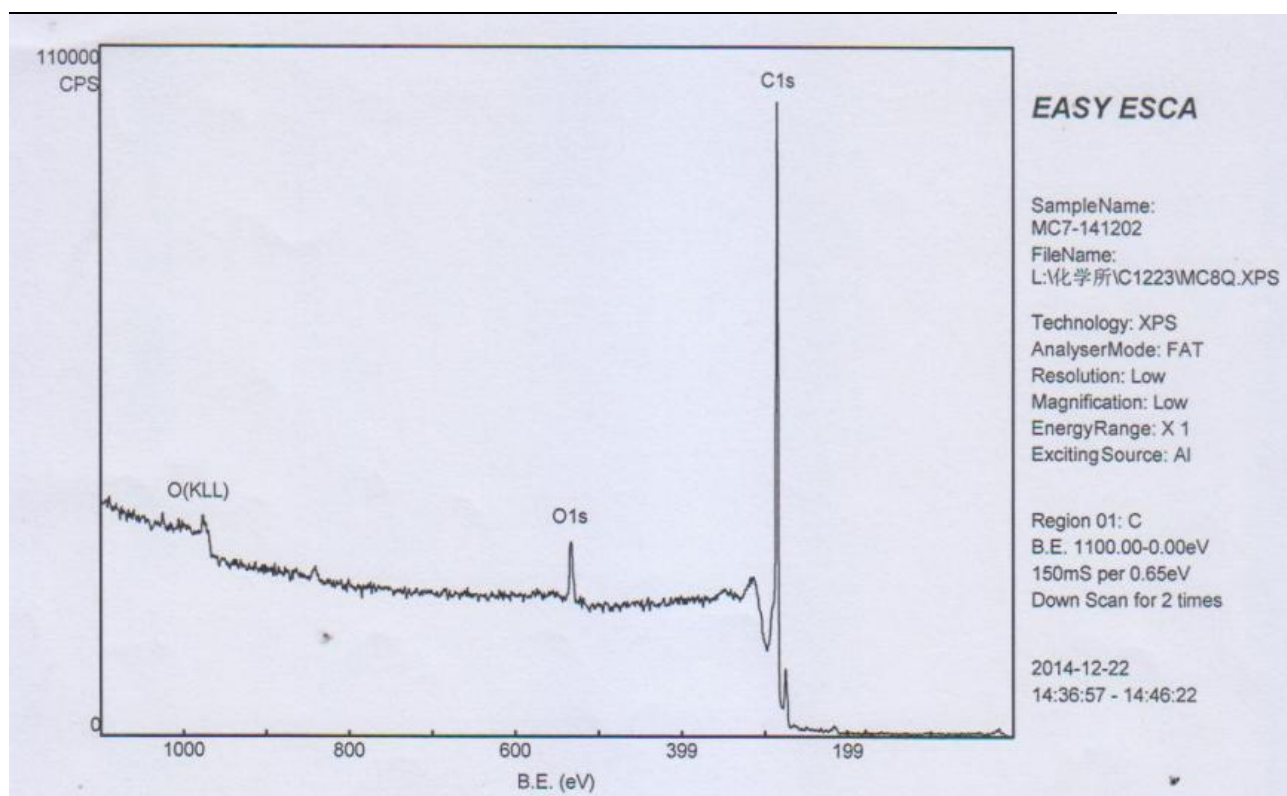
Testing pictures



Transmission Electron Microscopy (TEM)

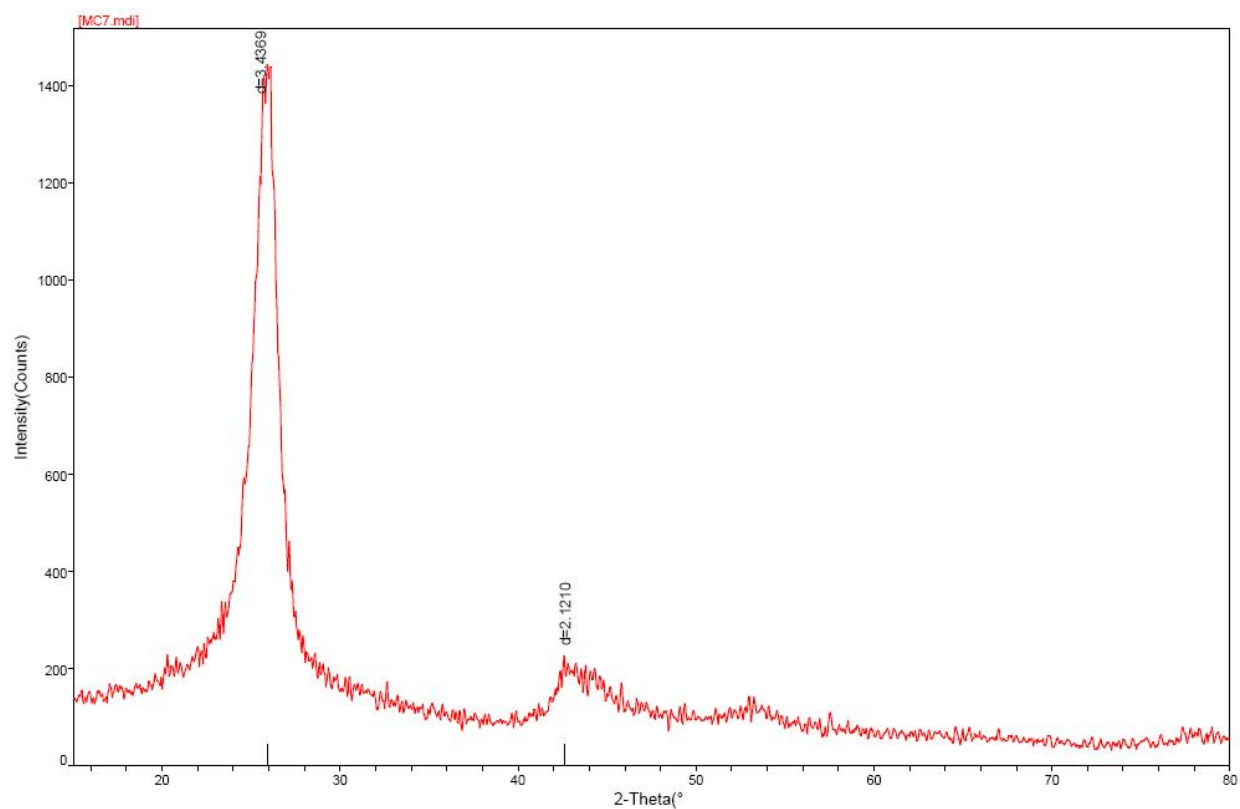


SEM



Components	Area(CPS)	Contents	Components
C	7900	0.25	96.08%
O	850	0.66	3.92%

XPS



XRD

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