

## Technical data

Categories No: TNIMH8

Name: Industrial Grade -OH Functionalized Multi-walled Carbon Nanotubes

Purity: >95%

-OH Content: 0.76 wt% (The rate of surface carbon atom: 8-10mol%)

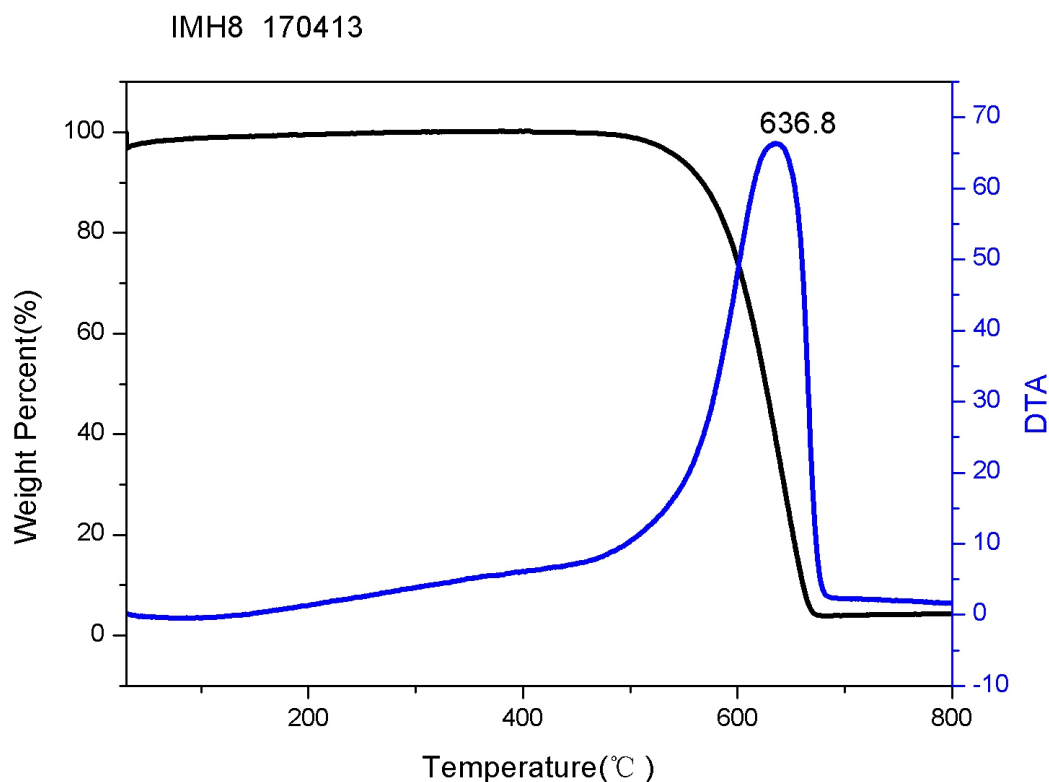
OD:30-80nm [OD=Outer Diameter]

Length: <10um

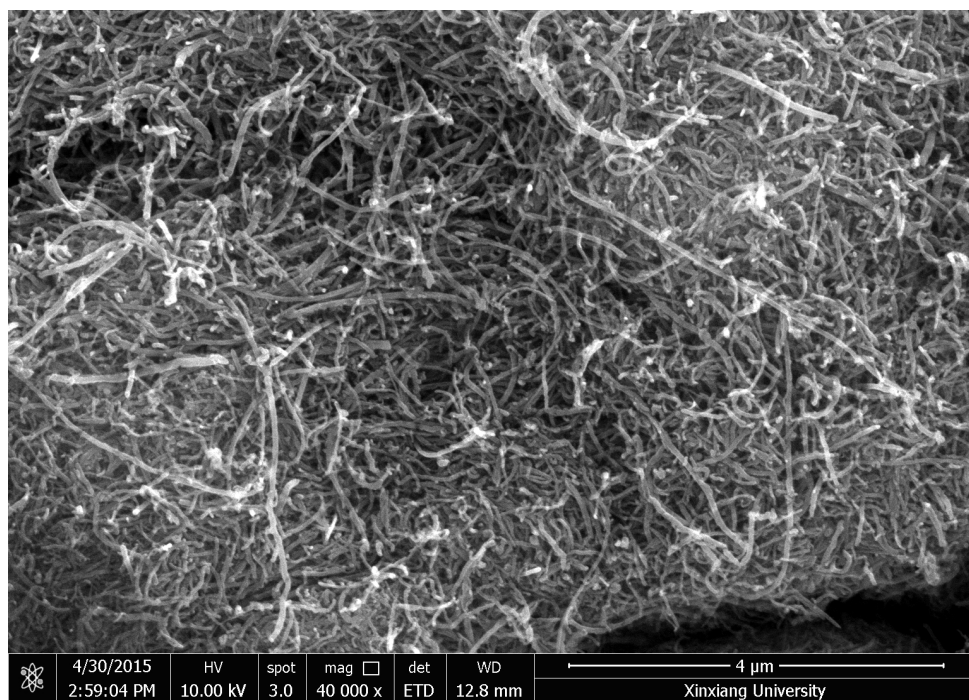
SSA: >60m<sup>2</sup>/g [SSA=Specific Surface Area]

Color: Black

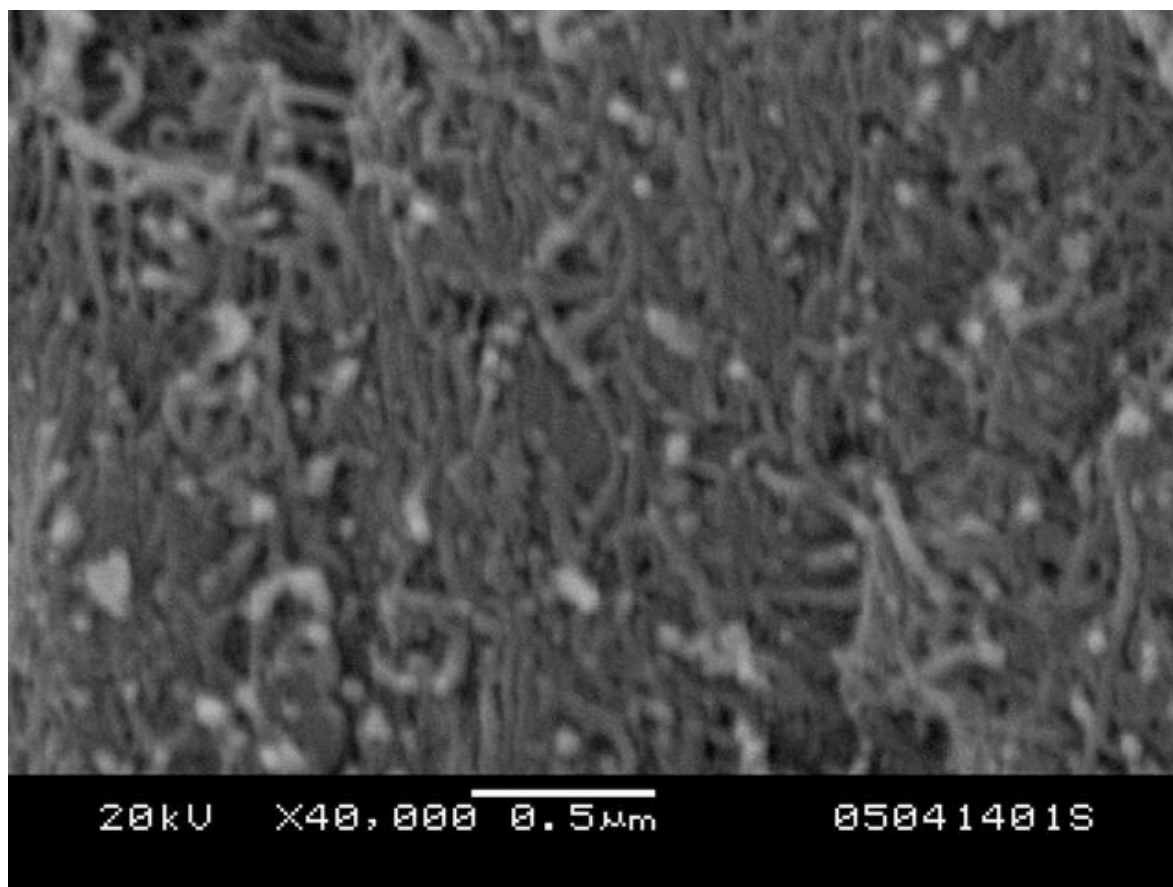
Making method: CVD



## TGA



## SEM



TEM

## **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