

## Technical data

Categories No: TNSMC8

Name: Short -COOH Functionalized Multi-walled Carbon Nanotubes

(Short-MWCNTs-COOH)

Purity:>98%

-COOH Content: 0.49wt%

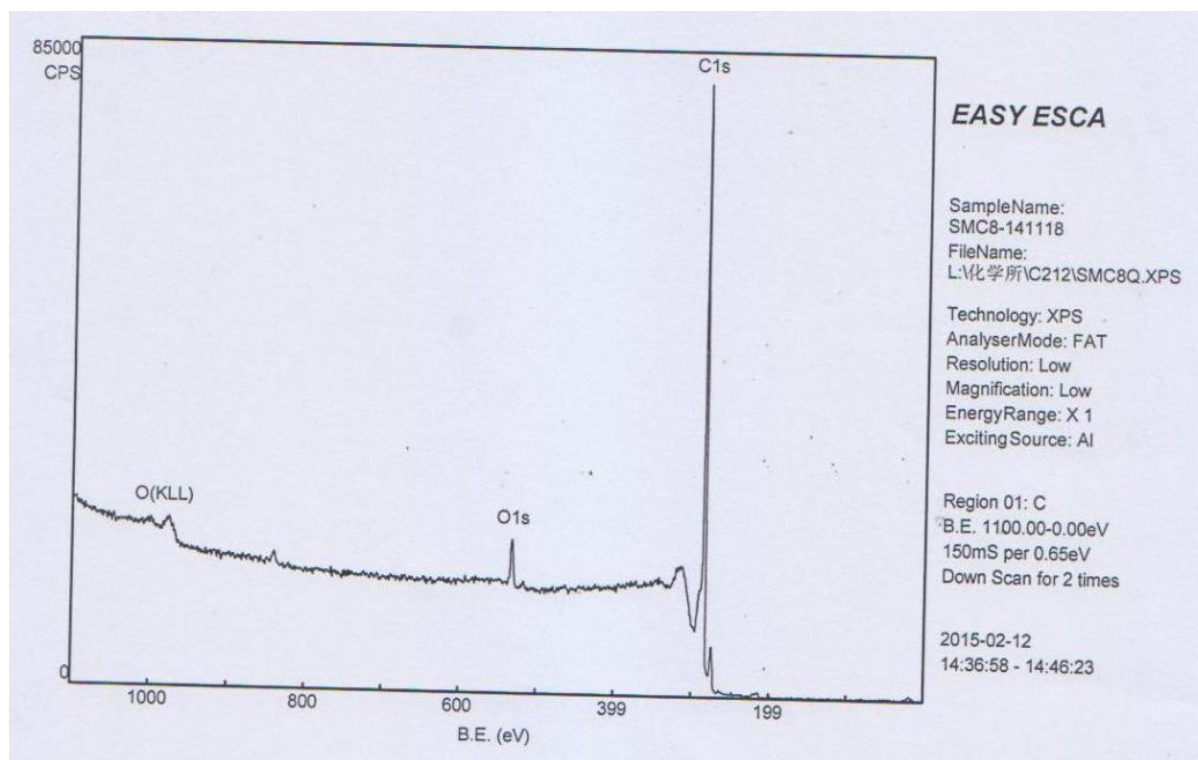
OD:30-80nm [OD=Outer Diameter]

Length: 0.5-2um

SSA: >70m<sup>2</sup>/g [SSA=Specific Surface Area]

Color: Black

Making method: CVD



### XPS

Components	Area(CPS)	Contents	Components
<b>C</b>	<b>7400</b>	<b>0.25</b>	<b>96.07%</b>
<b>O</b>	<b>800</b>	<b>0.66</b>	<b>3.93%</b>

### 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