

## Technical data

Categories No: TNSMC3

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

Purity:>98%

-COOH Content: 2.00wt%

OD: 10-20nm [OD=Outer Diameter]

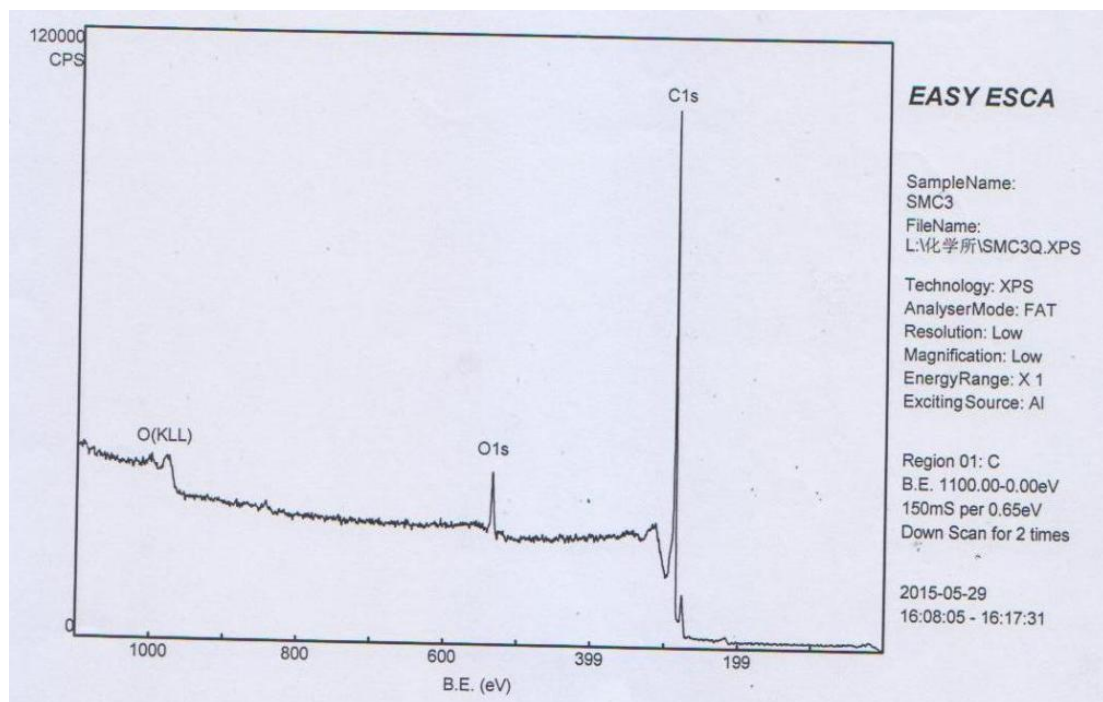
Length: 0.5-2um

SSA: >100m<sup>2</sup>/g [SSA=Specific Surface Area]

Color: Black

Making method: CVD

## Test Picture



## XPS

<b>Components</b>	<b>Area(CPS)</b>	<b>Contents</b>	<b>Components</b>
<b>C</b>	<b>6800</b>	<b>0.25</b>	<b>94.23%</b>
<b>O</b>	<b>1100</b>	<b>0.66</b>	<b>5.77%</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