

## Technical data

Categories No: TNMH0

Name: -OH Functionalized Multi-walled Carbon Nanotubes

Purity: >98%

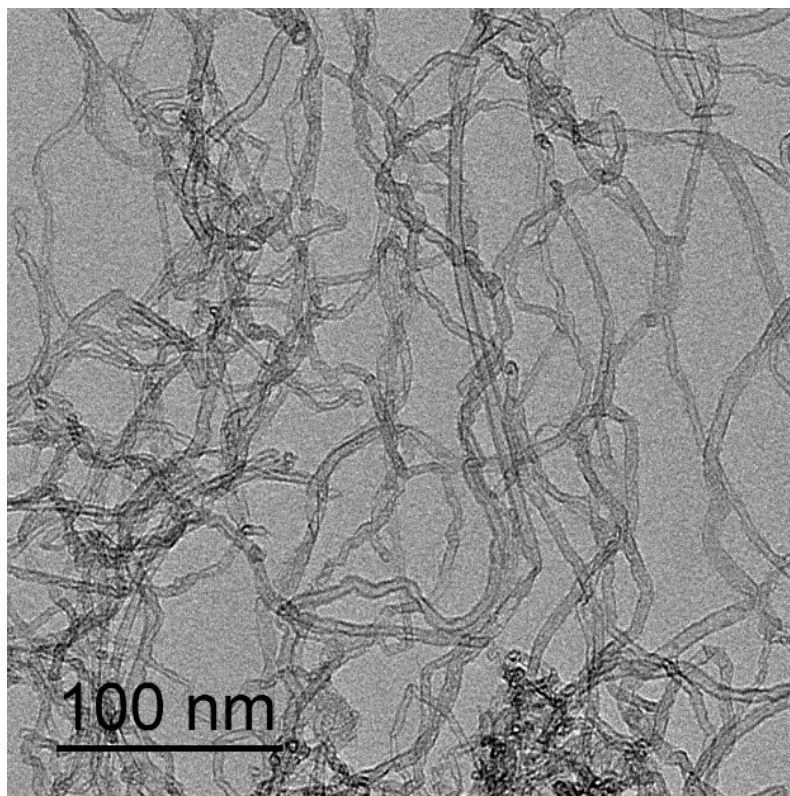
OD: 4-6nm [OD=Outer Diameter]

Length: 10-20 $\mu$ m

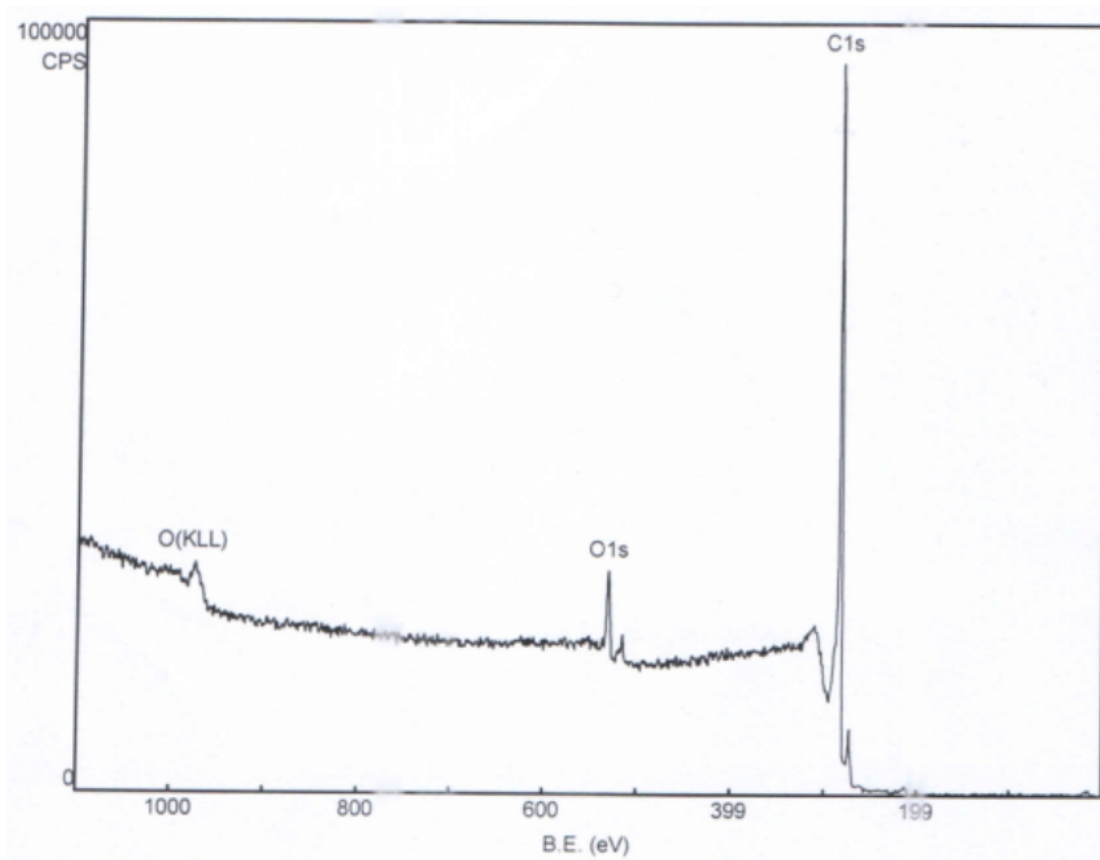
SSA: 380-550m<sup>2</sup>/g [SSA=Specific Surface Area]

Making method: CVD

## Testing paper



TEM



Components	Area(CPS)	Contents	Components
<b>C</b>	<b>84117.4</b>	<b>0.25</b>	<b>94.25%</b>
<b>O</b>	<b>13548.9</b>	<b>0.66</b>	<b>5.75%</b>

**XPS**

## **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