

## Technical data

Categories No: TNSRC

Name: High Purified -COOH Functionalized Single-walled Carbon

Nanotubes (floating catalyst) (SWCNTs-COOH)

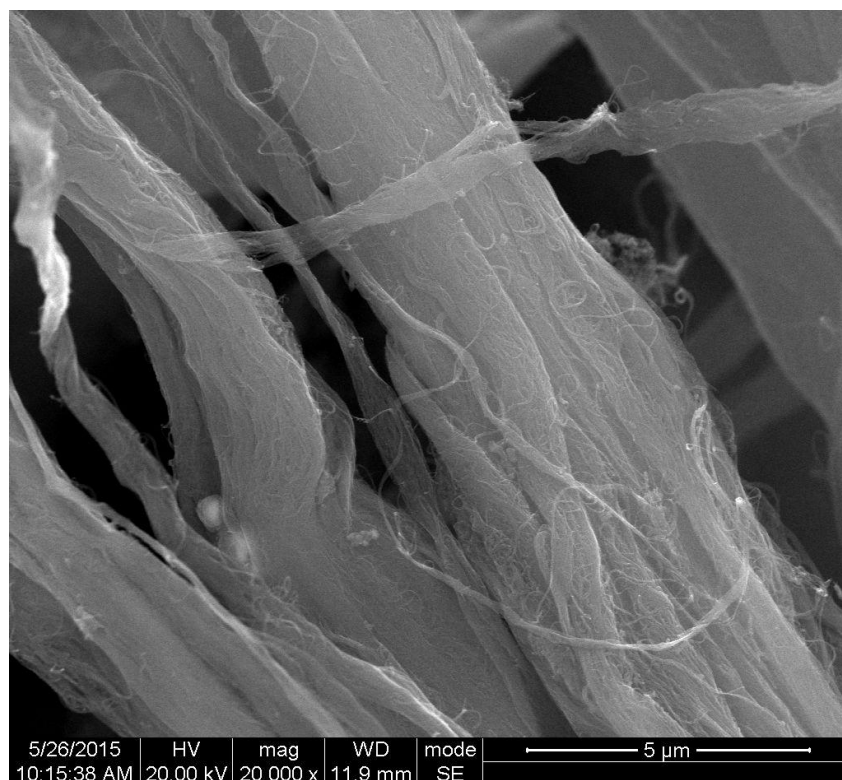
Purity: >95%

Diameter: 1-2nm

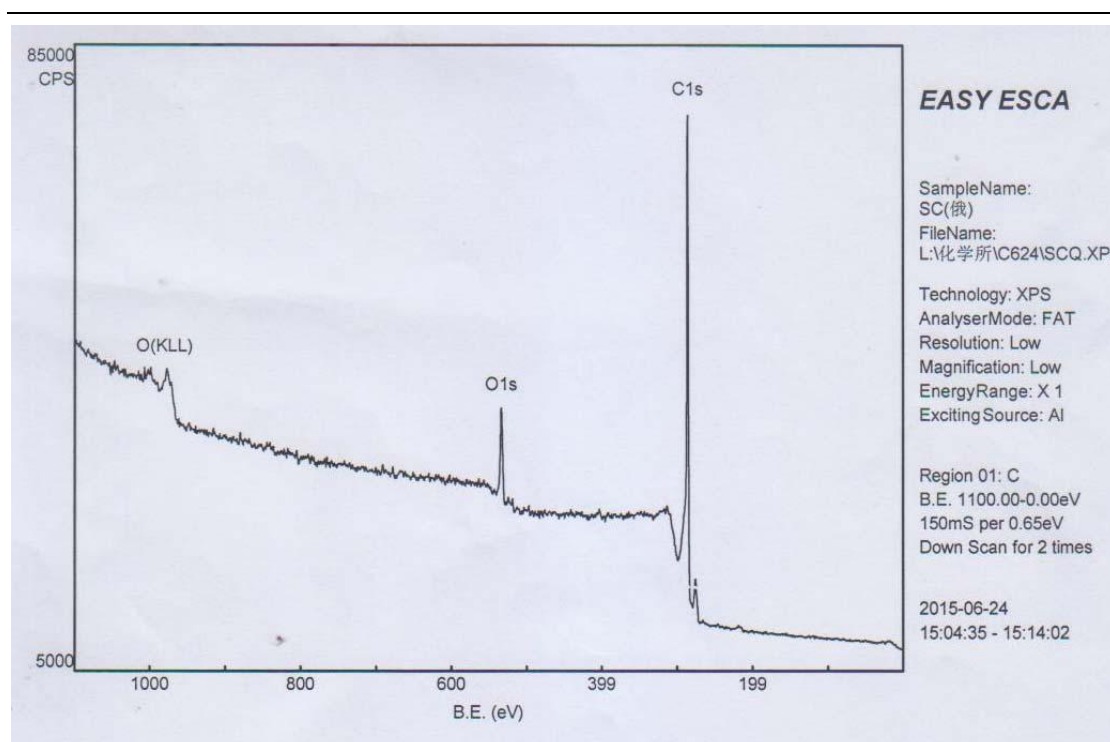
Length: 5-30um

Color: Black

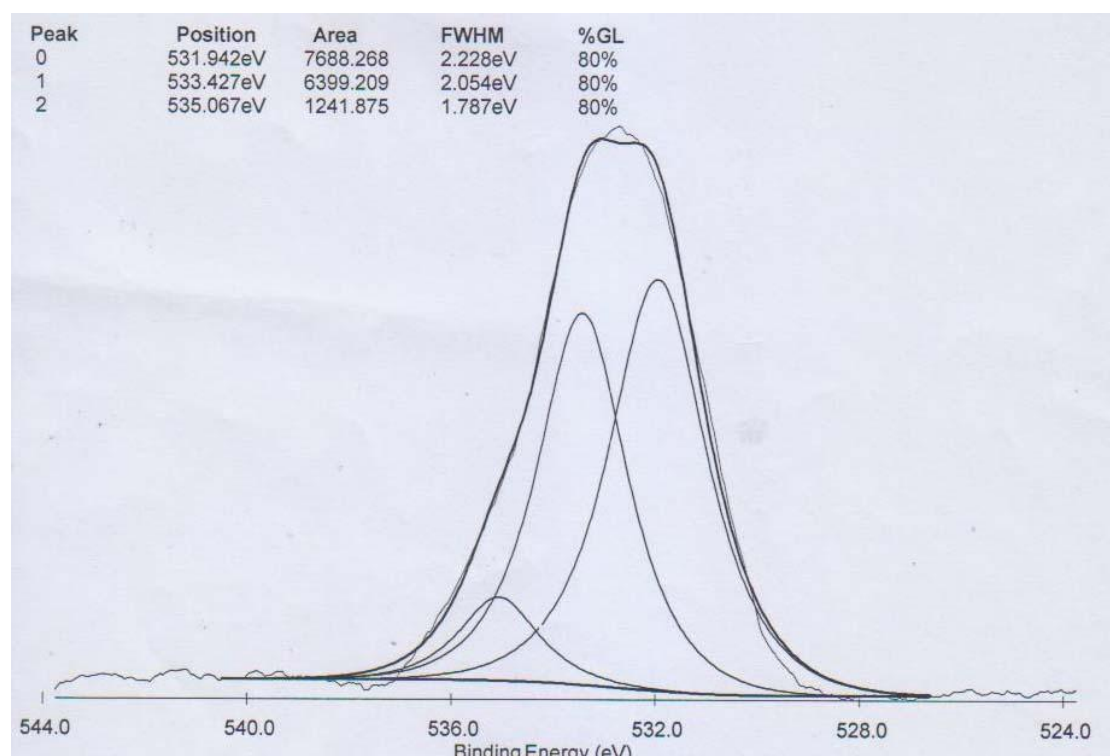
## Testing pictures



Scanning Electron Microscopy (SEM)



XPS of TNSRC



XPS of TNSRC

<b>Components</b>	<b>Area(CPS)</b>	<b>Sensitivity Factor</b>	<b>Components</b>
<b>C</b>	<b>54994.3</b>	<b>0.25</b>	<b>90.45%</b>
<b>O</b>	<b>15329.4</b>	<b>0.66</b>	<b>9.55%</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