

## Technical data

Categories No: TNSSRH

Name: Short High Purified –OH Functionalized Single-walled Carbon Nanotubes (floating catalyst) (SWCNTs-OH)

Purity: >95%

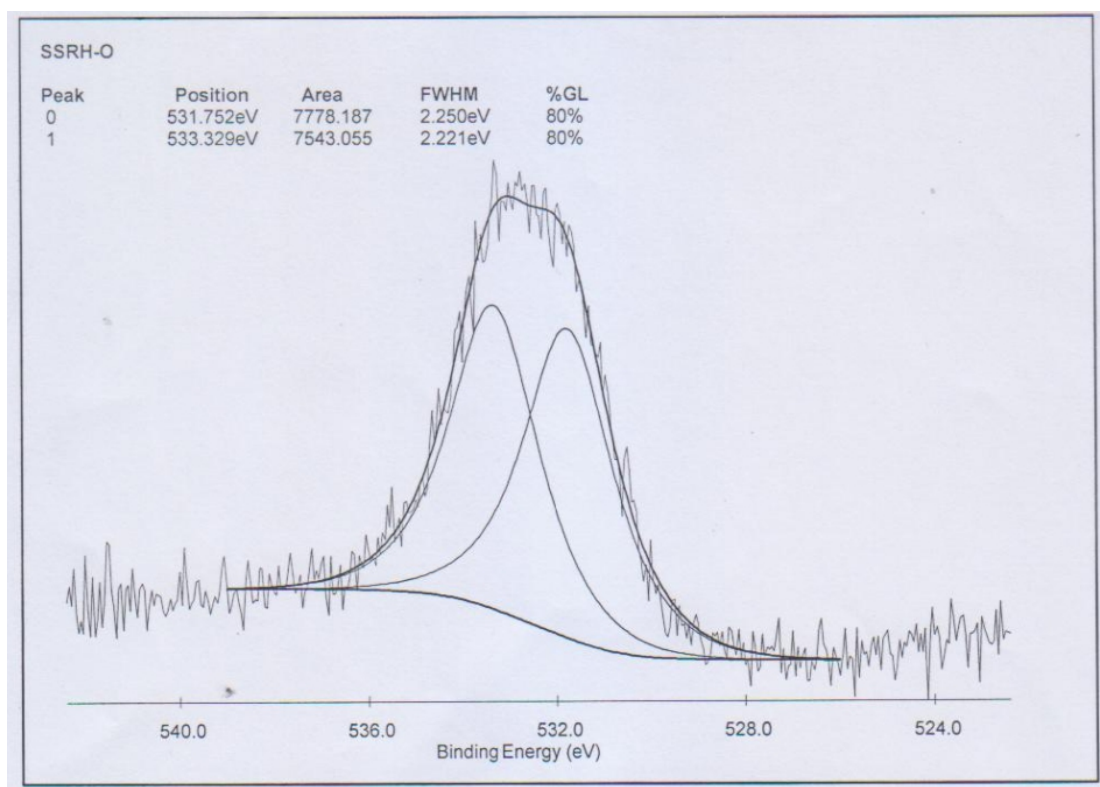
Diameter: 1-2nm

Length: 1-3um

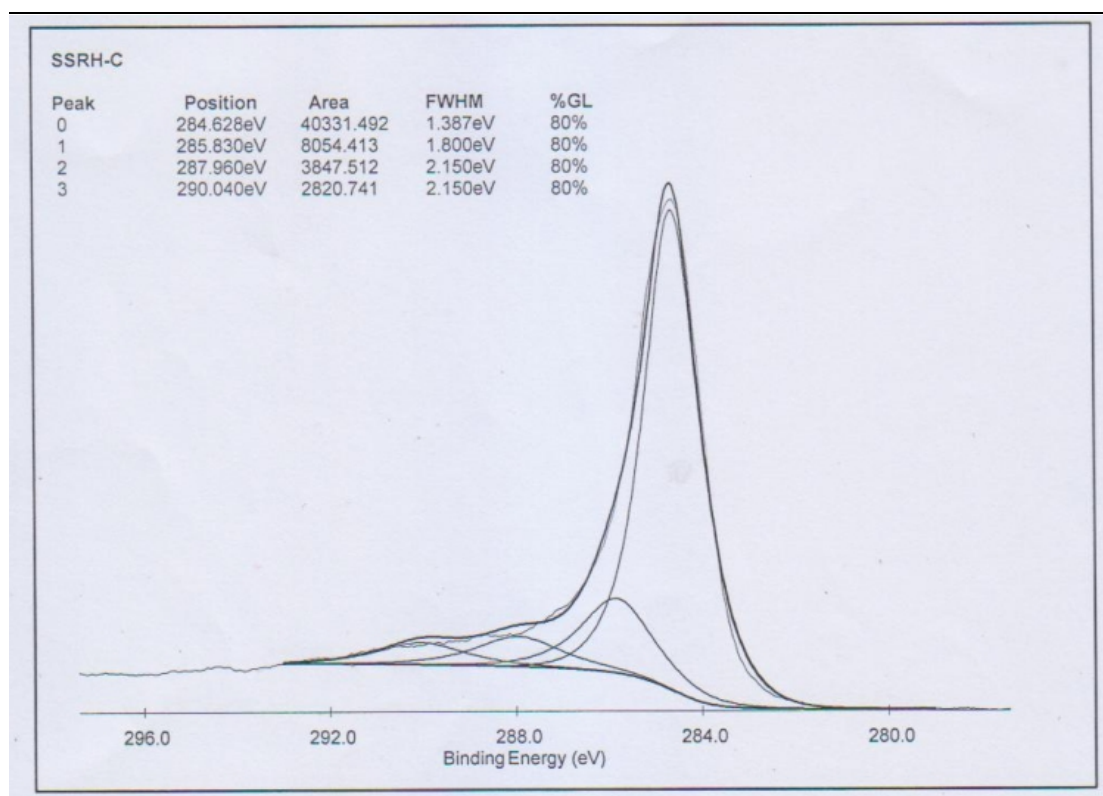
SSA: >630m<sup>2</sup>/g [SSA=Specific Surface Area]

Color: Black

## Testing pictures



XPS of TNSSRH



XPS of TNSSRH

Components	Area(CPS)	Sensitivity Factor	Components
<b>C</b>	<b>55054.1</b>	<b>0.25</b>	<b>90.46%</b>
<b>O</b>	<b>15321.3</b>	<b>0.66</b>	<b>9.54%</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