

Technical data

Categories No: TNSRC

Name: High Purified -COOH Functionalized Single-walled Carbon

Nanotubes (floating catalyst) (SWCNTs-COOH)

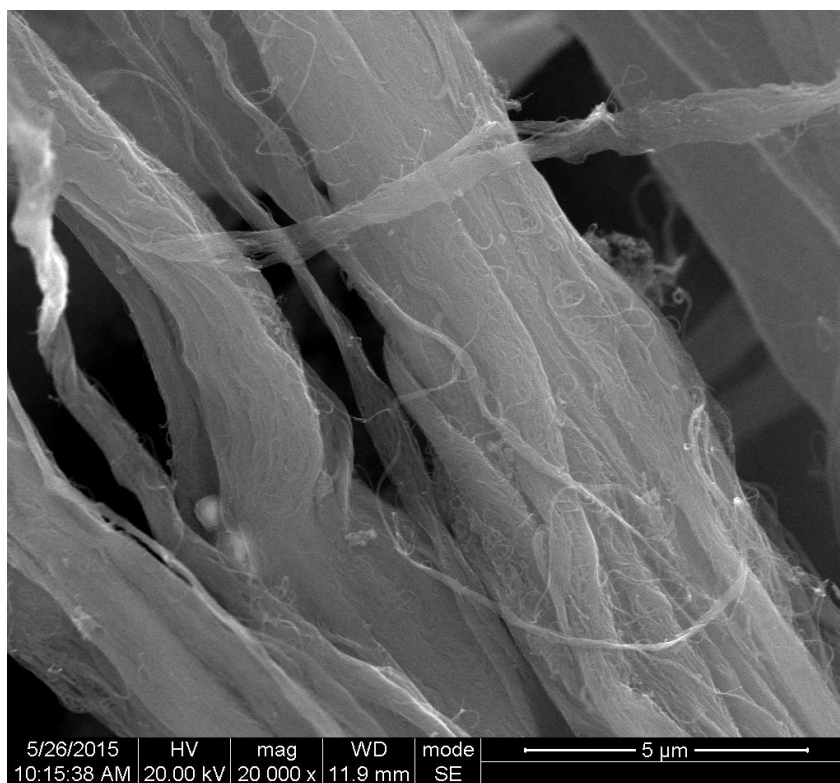
Purity: >95%

Diameter: 1-2nm

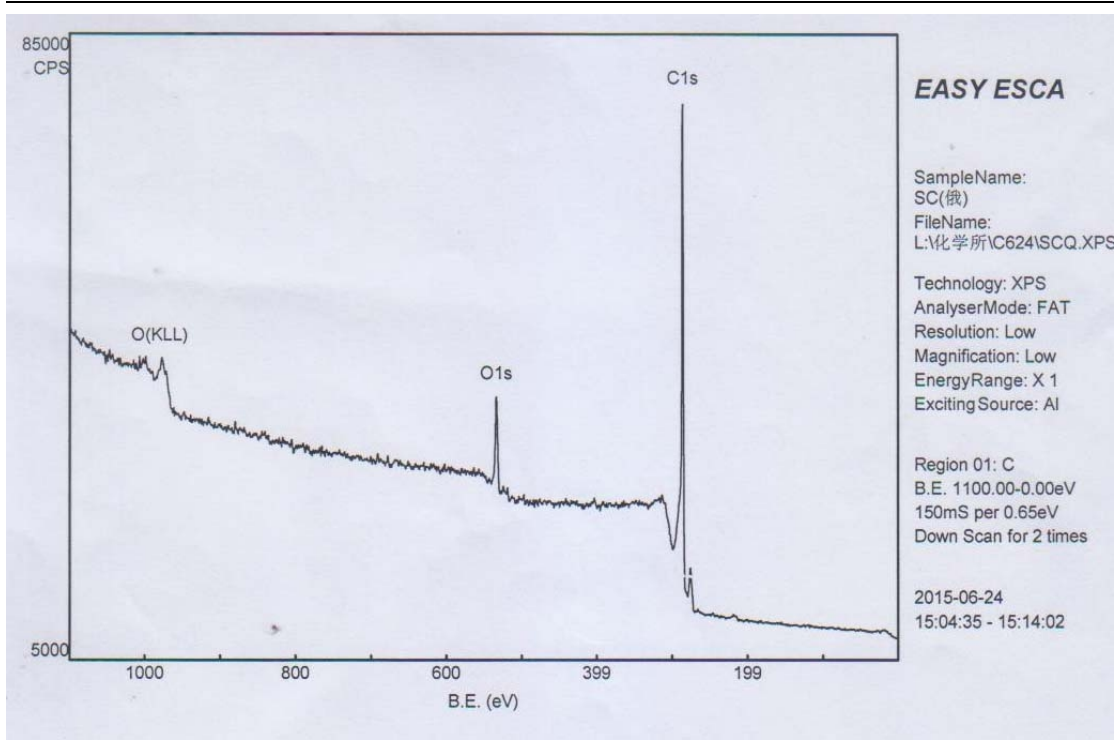
Length: 5-30um

Color: Black

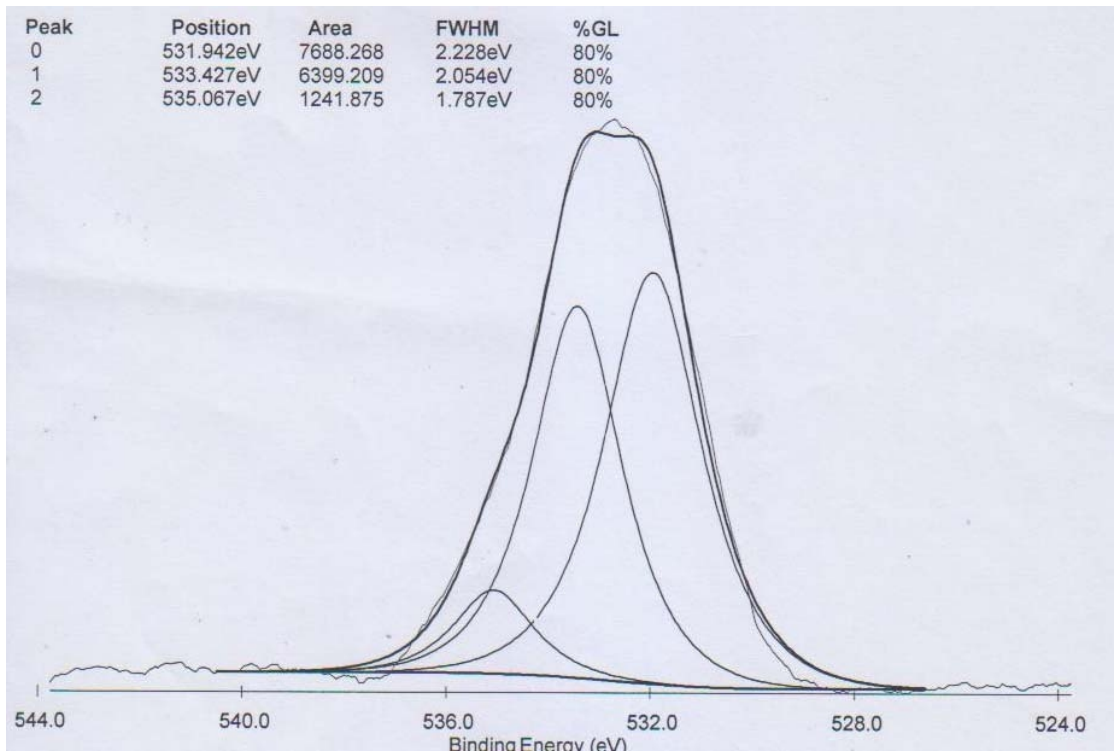
Testing pictures



Scanning Electron Microscopy (SEM)



XPS of TNSRC



XPS of TNSRC

| Components | Area(CPS) | Sensitivity Factor | Components |
|-------------------|------------------|---------------------------|-------------------|
| C | 54994.3 | 0.25 | 90.45% |
| O | 15329.4 | 0.66 | 9.55% |

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