

Technical data

Categories No: TNS

Name: Purified Single-walled carbon nanotubes (SWCNTs)

Purity: >90%

Diameter: 1-2nm

Length: 5-30um

SSA: >380m²/g [SSA=Special Surface Area]

Color: Black

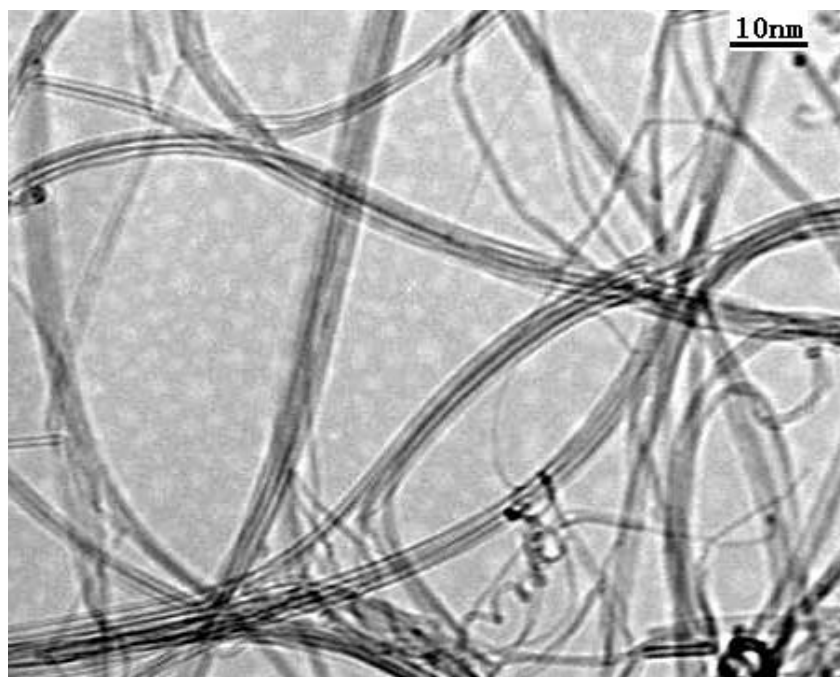
Tap density: 0.14 g/cm³

True density: ~2.1 g/cm³

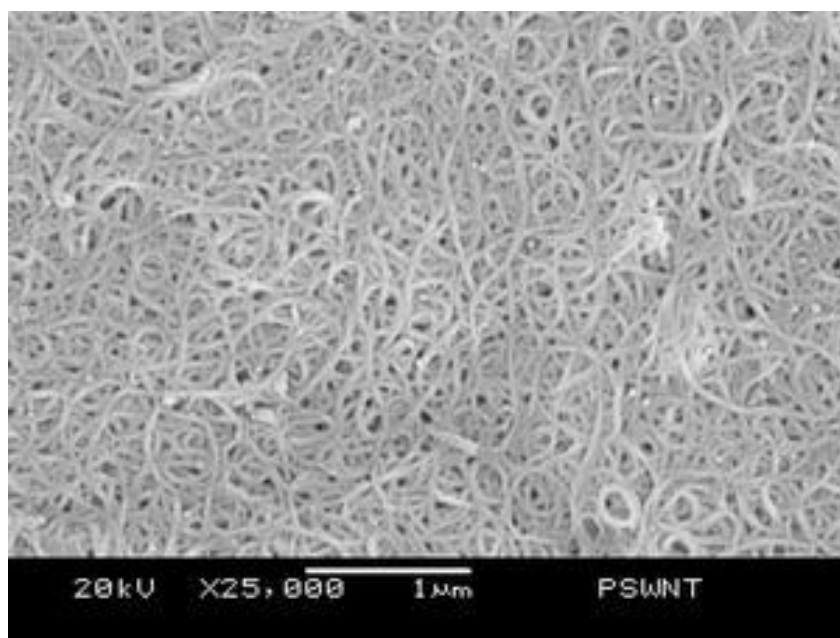
EC: >100s/cm [EC=Electric Conductivity]

Making method: CVD

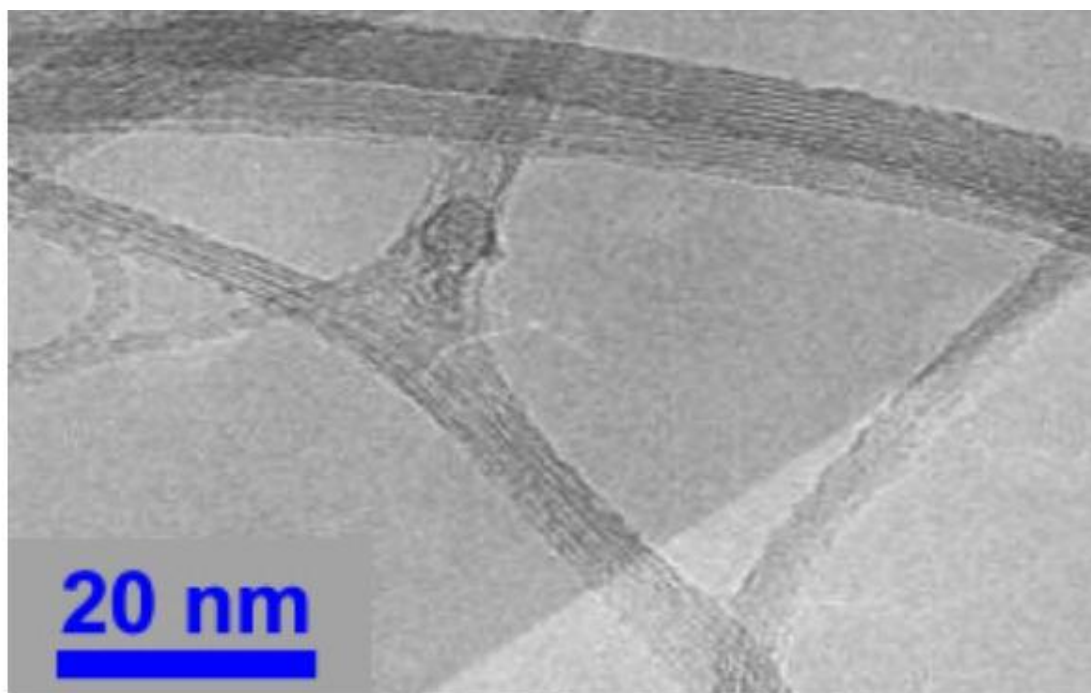
Testing pictures



Transmission Electron Microscopy (TEM)

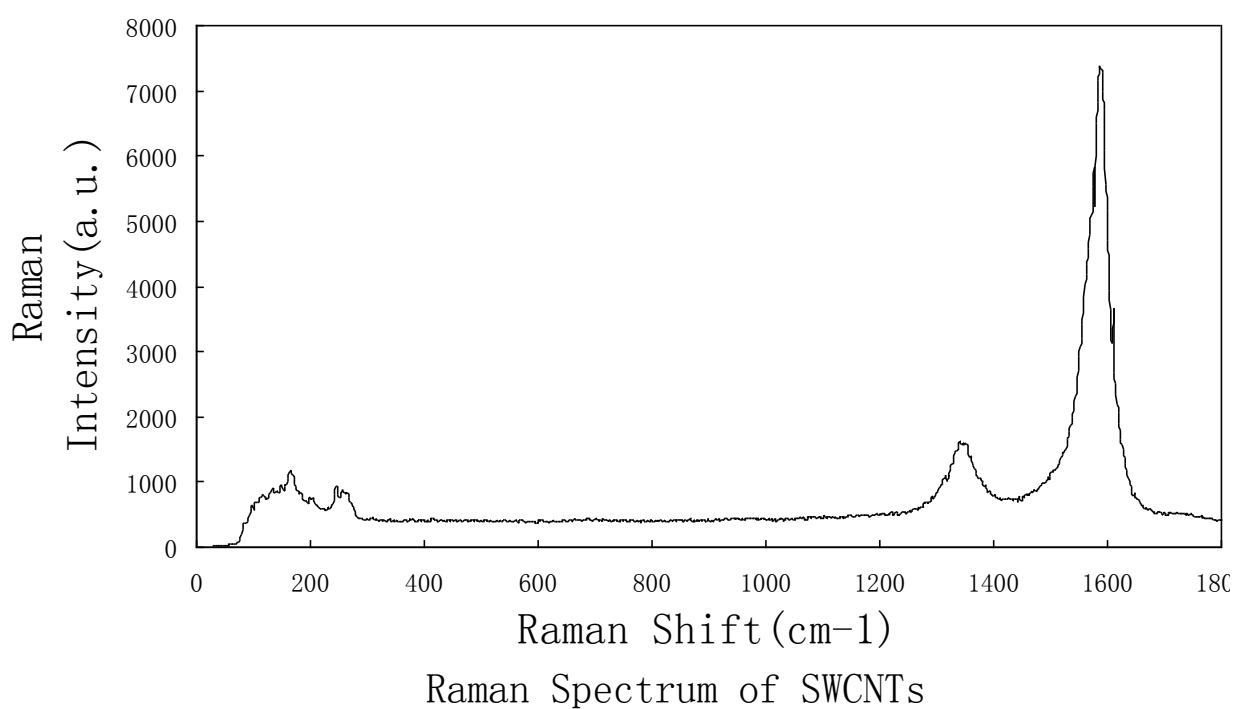


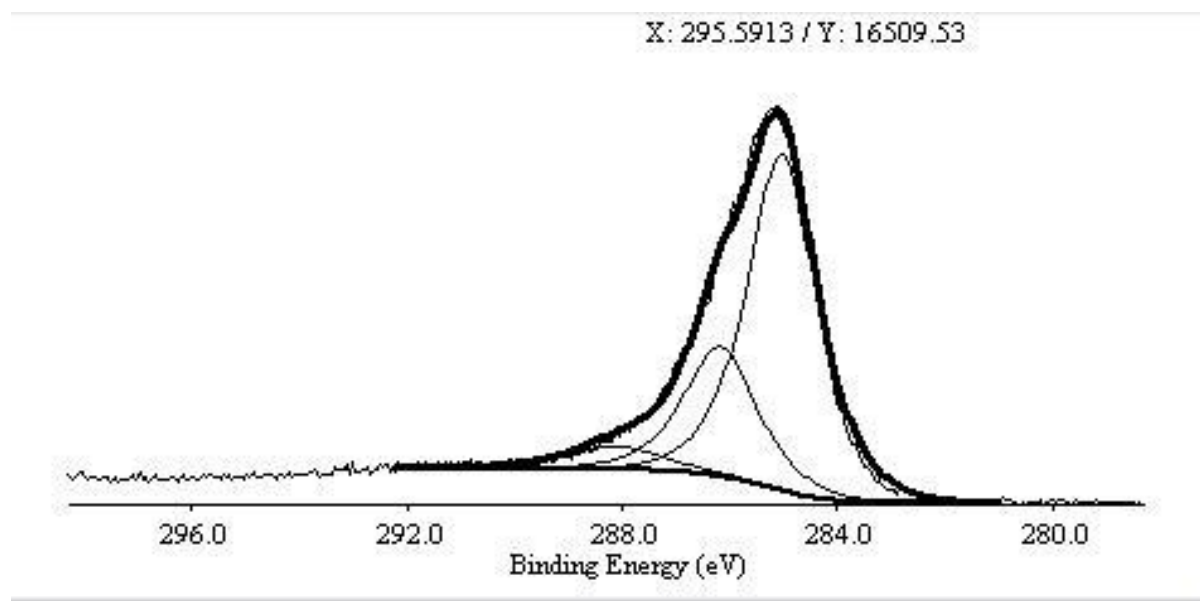
Scanning Electron Microscopy (SEM)



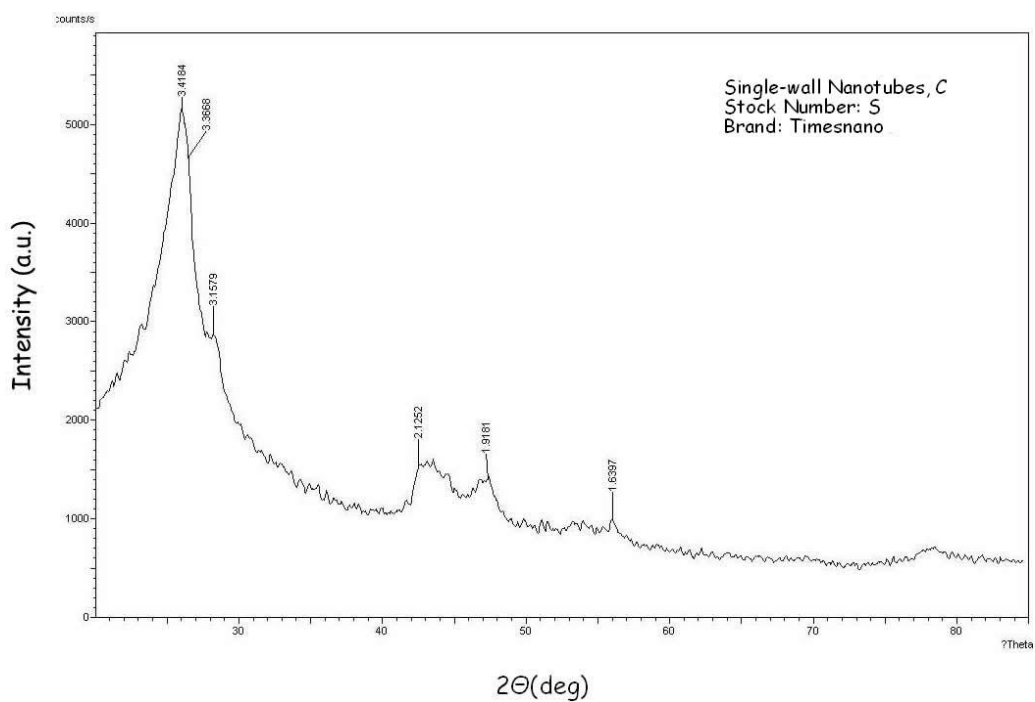
High resolution transmission electron microscope (HRTEM) image of single-walled nanotubes assembled into bundles. Diameter of each single-walled nanotube ranges from 0.9 to 1.8 nm.

(HRTEM)

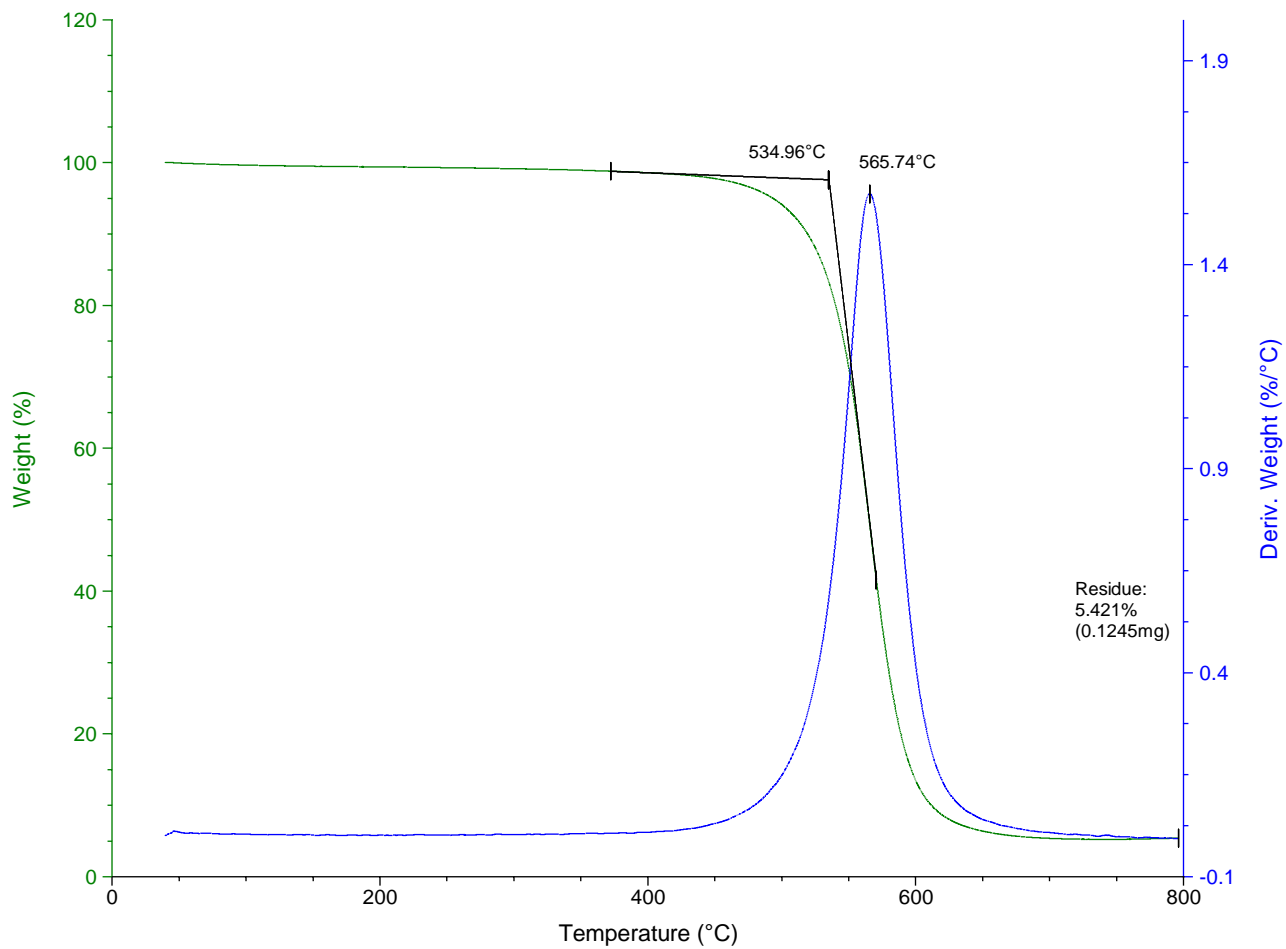




(XPS)

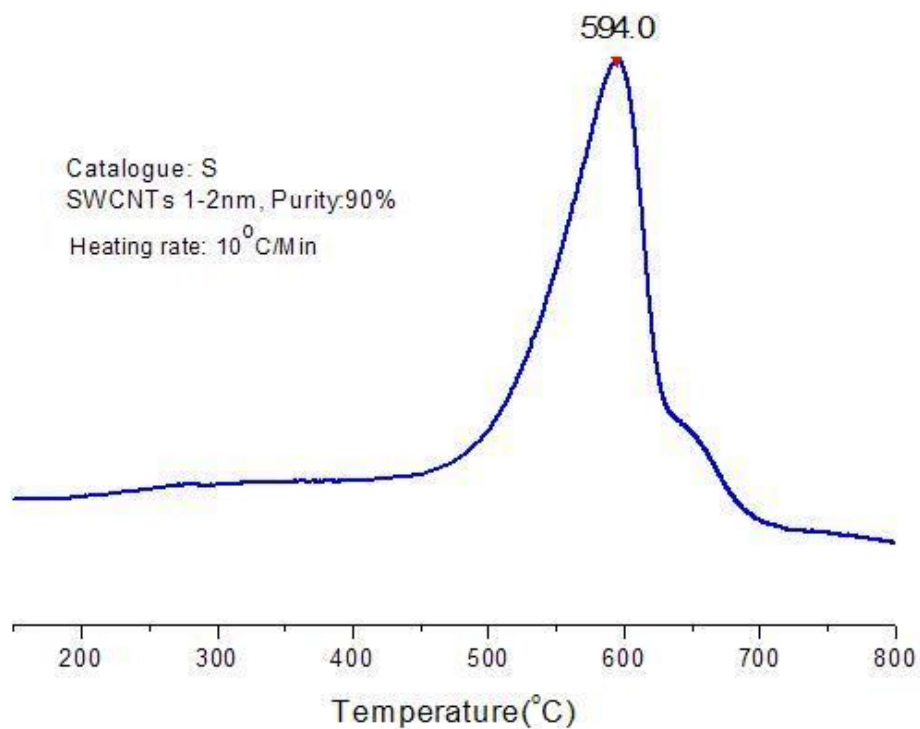


X-ray diffraction pattern



TGA

TPO Temperature programmed Oxidation



Components	Contents (%)
Co	0.38
Mo	0.32
Mg	0.61
O	2.36

XPS