

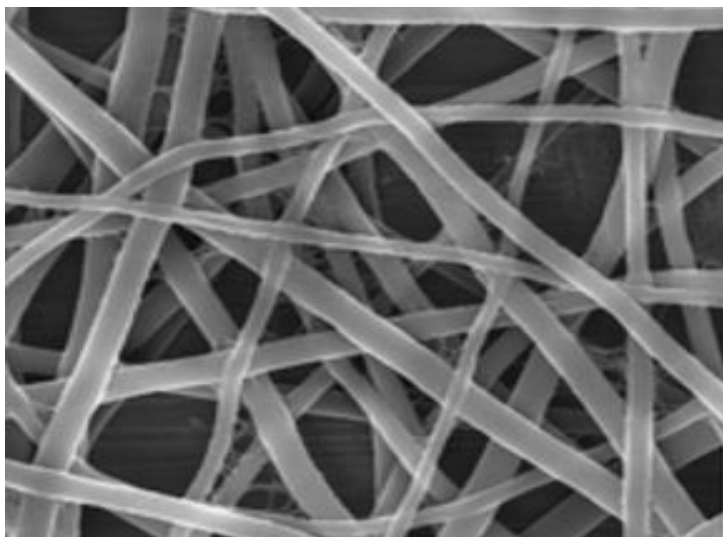
Specification Sheet

Electrical Conductivity Carbon Nanotubes
(SWCNT, Purity:>99.9 wt% OD:2-3nm, Length:3-8µm)
Stock No: NS6130-06-637, CAS: 308068-56-6

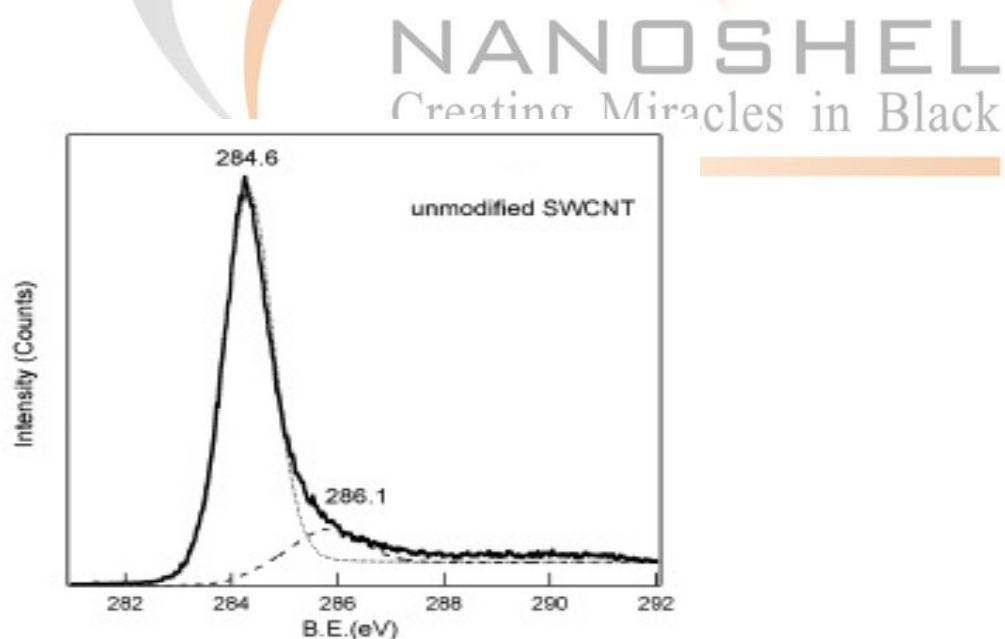
Product	:	Electrical Conductivity Carbon Nanotubes (SWCNTs)
Stock No	:	NS6130-06-637
CAS	:	308068-56-6
Category	:	SE-SL-1 (Electrical Grade SW)
Diameter	:	2-3 nm
Length	:	3-8 µm
Purity	:	>98% (SWNT) Electric current density >10-2S/cm
Amorphous carbon	:	>1%
Residue (calcination in air)	:	< 1%
SSA	:	350-450* m ² /g
Bulk Density	:	0.17-0.30 g/cm ³
Real Density	:	2-3 g/cm ³
Charging *	:	2180 (Capacity: mA h/g)
Discharging*	:	534 (Capacity: mA h/g)
Volume Resistivity	:	0.1-0.15 Ω.cm (measured at pressure in powder)
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

Characterization of Electrical Conductivity Carbon Nanotubes



SEM - Electrical Conductivity Carbon Nanotubes



XPS Spectra of Unmodified SWCNT