

Specification Sheet

Transparent Conductive Films

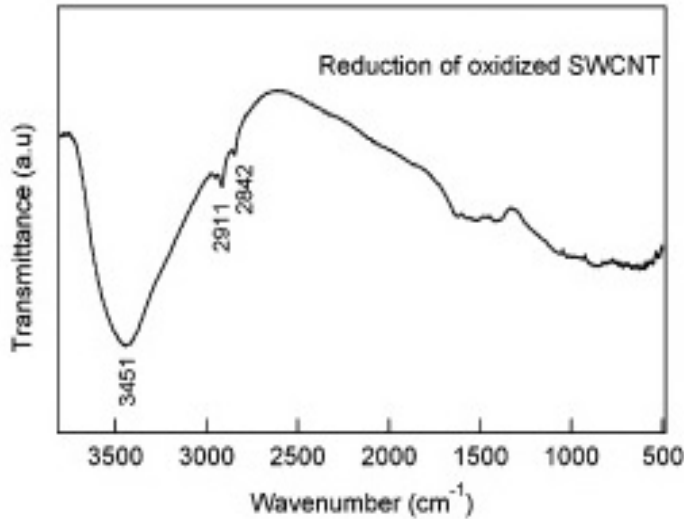
(SWCNT>98wt%)

Stock No: NS6130-06-613, CAS: 308068-56-6

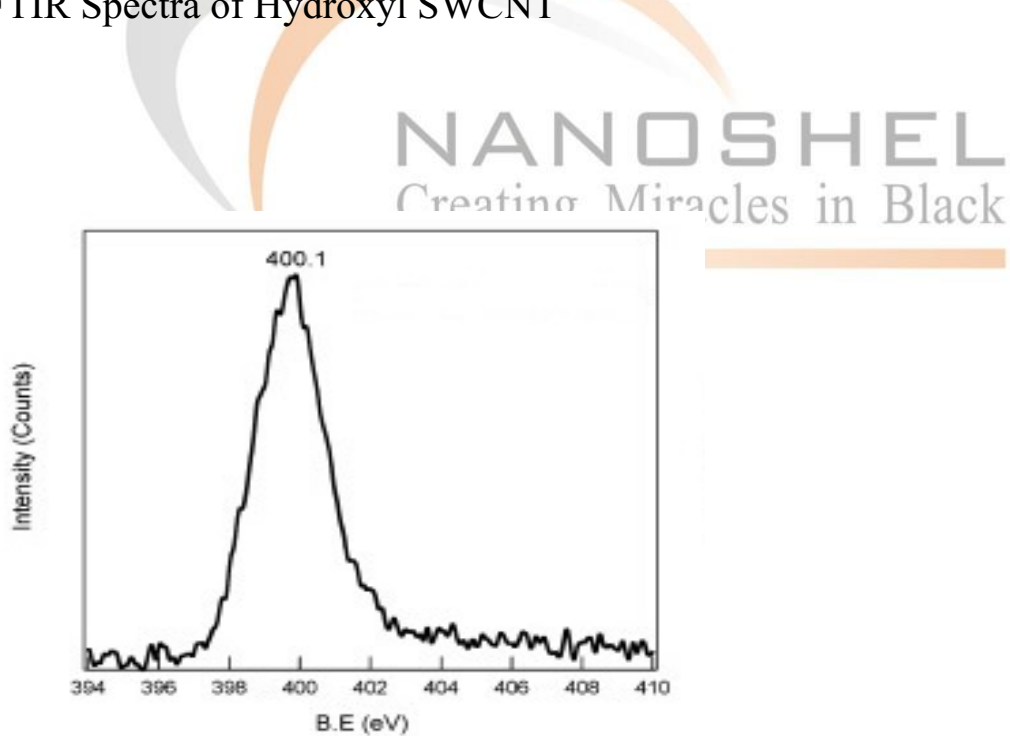
Product	:	Transparent Conductive Films
Stock No	:	NS6130-06-613
CAS No	:	308068-56-6
Category	:	SO-ML-1
Avg. Diameter	:	1-2nm
Length	:	5-15 μ m
Purity	:	>95% (SWNT)
Amorphous carbon	:	< 3%
Residue (calcination in air)	:	< 2%
OH Surface Modified	:	3 - 6wt%
Special Surface Area	:	350-450* m ² /g
Bulk density	:	0.05-0.17 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 Transparent Conductive Films



FTIR Spectra of Hydroxyl SWCNT



XPS Spectra of Hydroxyl SWCNT