

## Specification Sheet

### Ultrapure SWCNT

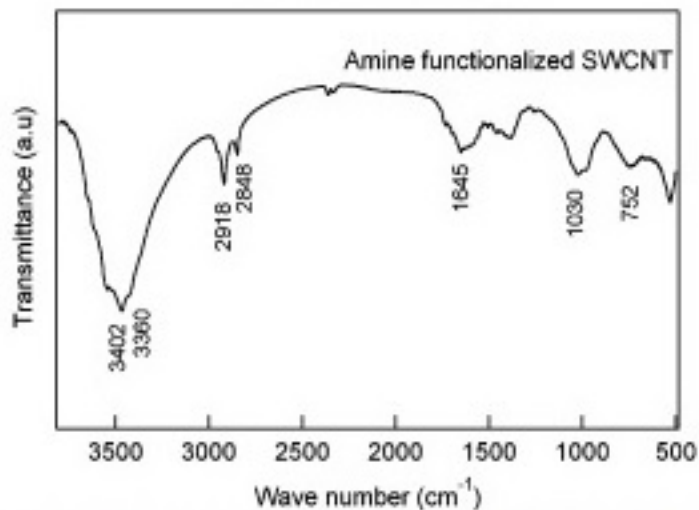
(Ultra Pure, 99.99%, Dia: < 5nm, Avg Length: 20-30um)

Stock No: NS6130-06-697, CAS: 308068-56-6

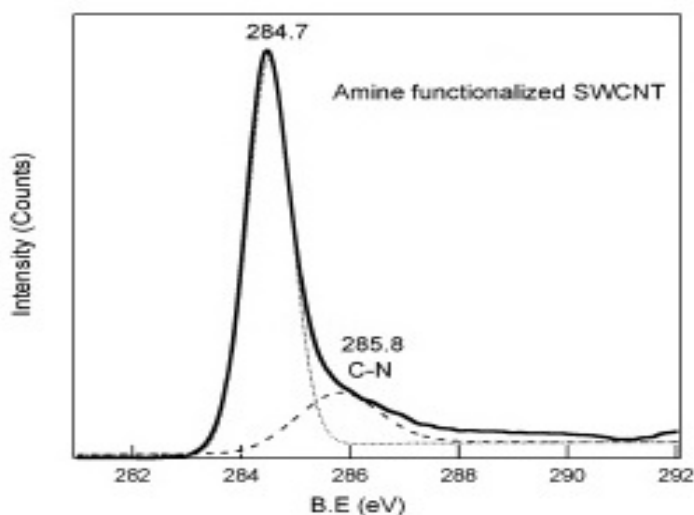
<b>Product</b>	:	<b>Ultrapure SWCNT</b>
Stock No	:	NS6130-06-697
CAS	:	308068-56-6
Diameter	:	< 5nm
Length	:	20-30µm
Purity	:	>99.99% (SWCNT)
Amorphous carbon	:	1%
Amine (NH <sub>2</sub> ) Surface Modified	:	< 1%
SSA	:	350-450* m <sup>2</sup> /g
Bulk Density	:	0.05-0.17 g/cm <sup>3</sup>
Real Density	:	2-3 g/cm <sup>3</sup>
Charging *	:	2180 (Capacity: mA h/g)
Discharging*	:	534 (Capacity: mA h/g)
Volume Resistivity	:	0.1-0.15 ohm.cm ( measured at pressure in powder)
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of Ultrapure SWCNT



## FTIR Spectra of Amine SWCNT



## XPS Spectra of Amine SWCNT