

# Specification Sheet

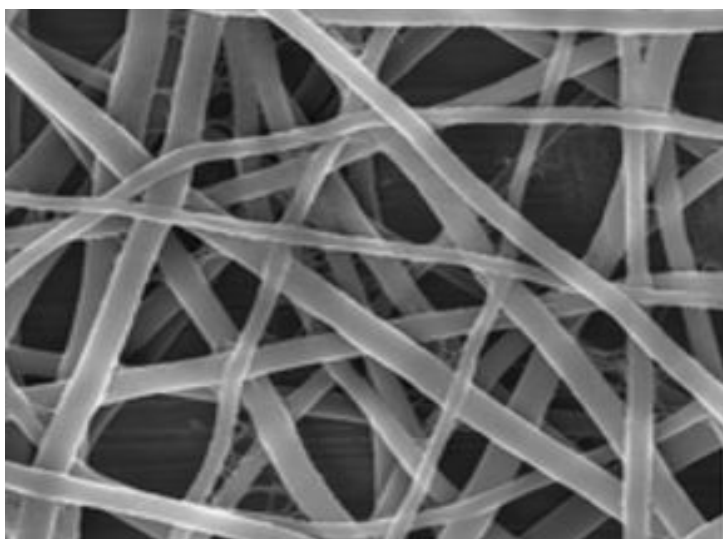
## CNT Single Wall

Stock No: NS6130-06-605, CAS: 308068-56-6

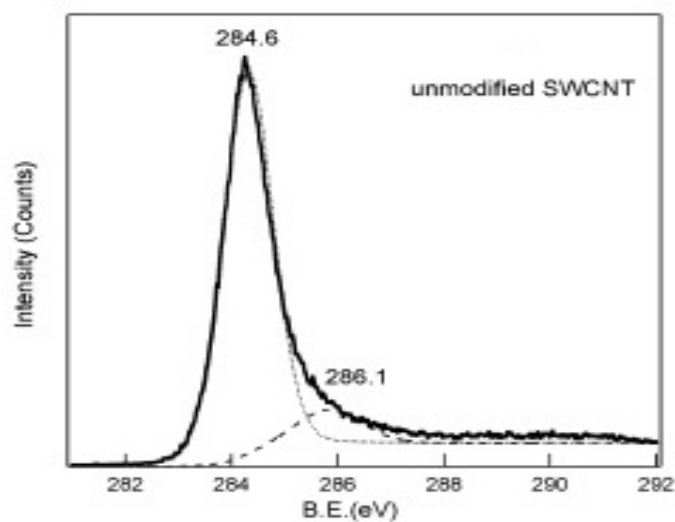
<b>Product</b>	:	<b>CNT Single Wall</b>
Stock No	:	NS6130-06-605
CAS	:	308068-56-6
Category	:	S-ML-2
Diameter	:	1-2nm
Length	:	8-15 $\mu$ m
Purity	:	>90% (CNT Single Wall )
Amorphous carbon	:	< 5%
Residue ( calcination in air)	:	< 3%
SSA	:	350-450* m <sup>2</sup> /g
Bulk Density	:	0.17-0.30 g/cm <sup>3</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 $\Omega$ .cm ( measured at pressure in powder)
Available Quantities	:	2Gms, 5Gms, 10Gms, 25Gms and larger quantites
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of CNT Single Wall



SEM - CNT Single Wall



XPS Spectra of Unmodified SWCNT