

# Specification Sheet

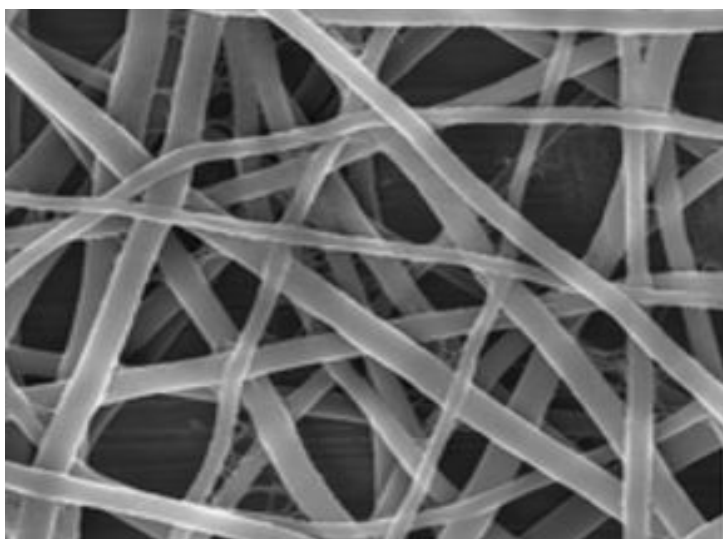
## Single Walled Carbon Nanotubes

Stock No: NS6130-06-608, CAS: 308068-56-6

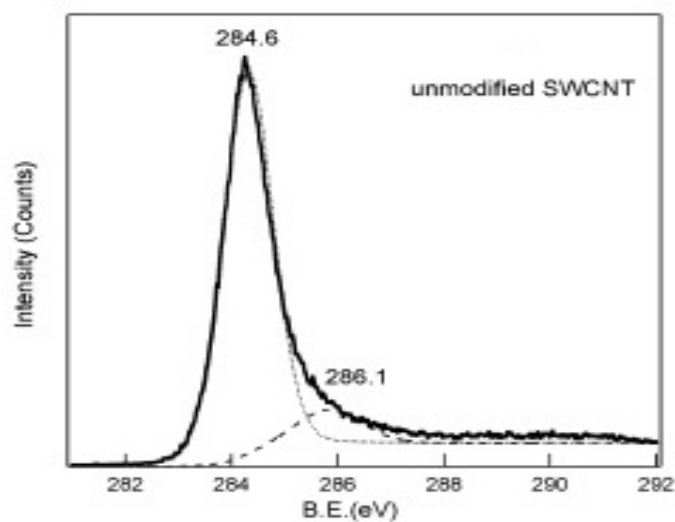
<b>Product</b>	:	<b>Single Walled Carbon Nanotubes</b>
Stock No	:	NS6130-06-608
CAS	:	308068-56-6
Category	:	S-LL-2
Diameter	:	1-2nm
Length	:	15-30 $\mu\text{m}$
Purity	:	>90% (SWNT)
Amorphous carbon	:	>5%
Residue ( calcination in air)	:	< 3%
SSA	:	350-450* $\text{m}^2/\text{g}$
Bulk Density	:	0.17-0.30 $\text{g}/\text{cm}^3$
Real Density	:	2-3 $\text{g}/\text{cm}^3$
Charging *	:	2180 (Capacity: mA h/g)
Discharging*	:	534 (Capacity: mA h/g)
Volume Resistivity	:	0.1-0.15 $\Omega.\text{cm}$ ( 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 Single Walled Carbon Nanotubes



SEM - Single Walled Carbon Nanotubes



XPS Spectra of Single Walled Carbon Nanotubes