

Specification Sheet

Hydroxylated Carbon Nanotubes

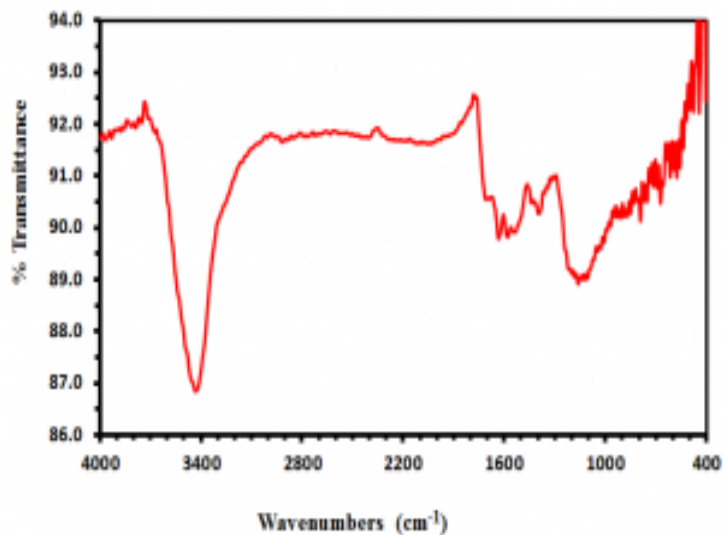
(MWCNT >95wt% OD:20-30nm Length:15-30 μ m)

Stock No: NS6130-06-653, CAS: 308068-56-6

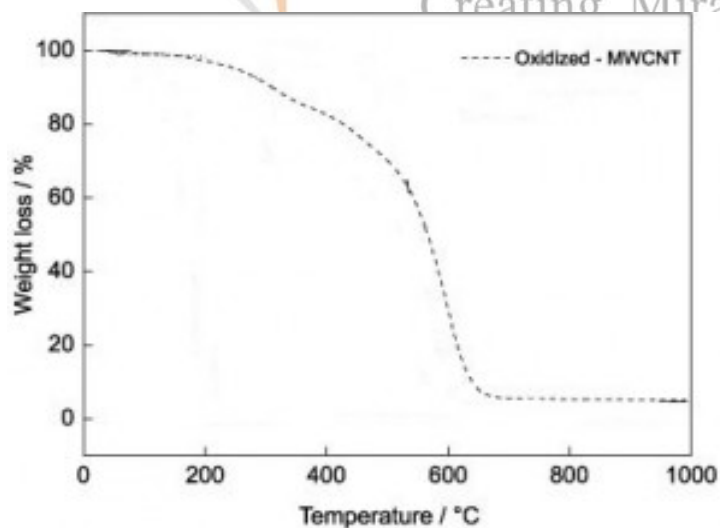
Product	:	Hydroxylated Carbon Nanotubes
Stock No	:	NS6130-06-653
CAS	:	308068-56-6
Category	:	MO-ML-2
Diameter	:	20-30nm
Length	:	15-30 μ m
Purity	:	>95wt% (MWNT)
Amorphous Carbon	:	< 5%
Residue (calcination in air)	:	< 2%
OH Content %	:	2-4Wt%
Average interlayer distance	:	0.34nm
Special Surface Area	:	90-350* m ² /g
Bulk density	:	0.05-0.17 g/cm ³
Real density	:	1-2 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)
Available Quantities	:	10Gms, 25Gms, 50Gms, 100Gms and larger quantites
Main Inspect Verifier	:	Manager QC

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

Characterization of Hydroxylated Carbon Nanotubes



FTIR Spectra of Hydroxylated Carbon Nanotubes



XPS Hydroxylated Carbon Nanotubes