

Specification Sheet

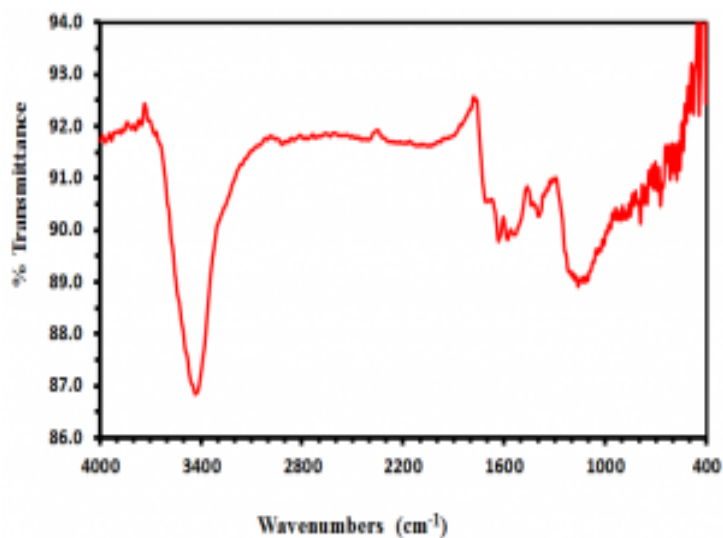
Chemically Functionalized Carbon Nanotubes
(Purity: >95wt% OD: 15-25nm, Length: 5-15 μ m, COOH:
2-4Wt%)

Stock No: NS6130-06-662, CAS: 308068-56-6

Product	:	Chemically Functionalized Carbon Nanotubes
Stock No	:	NS6130-06-662
CAS	:	308068-56-6
Category	:	MC-ML-2
Diameter	:	15-25nm
Length	:	5-15 μ m
Purity	:	>95wt% (MWNT)
Amorphous Carbon	:	< 5%
Residue (calcination in air)	:	< 2%
COOH 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

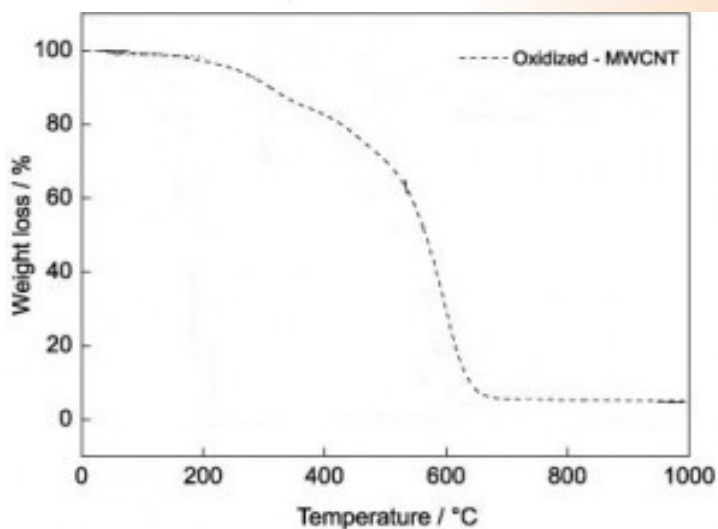
Note: Product Specification are subject to amendment and may change over time

Characterization of Chemically Functionalized Carbon Nanotubes



FTIR Spectra of Functionalized MWCNT COOH

NANOSHEL
Creating Miracles in Black



XPS Functionalized MWCNT COOH