

Specification Sheet

Hydroxyl Functional

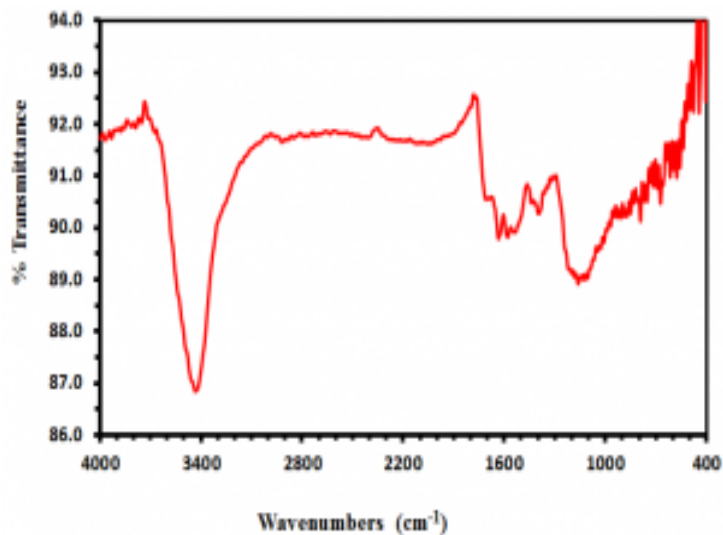
(MWCNT >90wt% OD: 10-20nm Length: 3-8 μ m OH: 2-4Wt%)

Stock No: NS6130-06-651, CAS: 308068-56-6

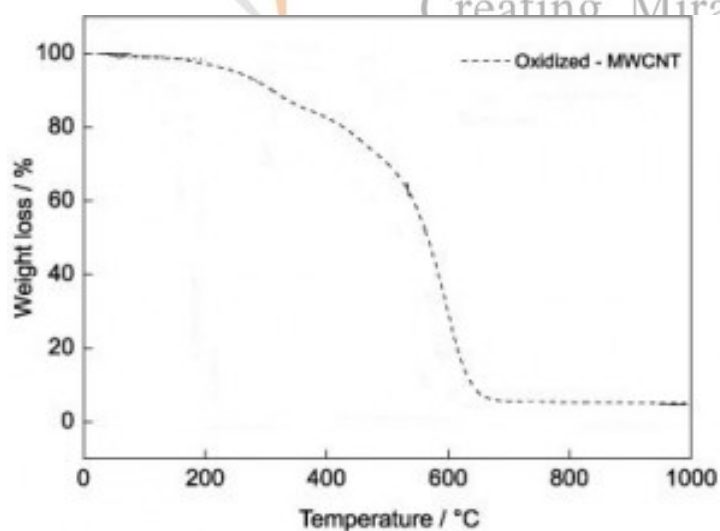
Product	:	Hydroxyl Functional Group
		MWCNT
Stock No	:	NS6130-06-651
CAS	:	308068-56-6
Category	:	MO-SL-3
Diameter	:	10-20nm
Length	:	3-8 μ m
Purity	:	>90% (MWNT)
Amorphous Carbon	:	< 5%
Residue (calcination in air)	:	< 5%
OH Content %	:	0.5-0.7Wt%
Average interlayer distance	:	0.34nm
Special Surface 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 Hydroxyl Functional



FTIR Spectra of Hydroxyl Functional Group



XPS Hydroxyl Functional Group