Specification Sheet

Amino Functionalized Carbon Nanotubes
( >90wt% OD:10-20nm Length:3-8µm)
Stock No: NS6130-06-669, CAS: 308068-56-6

Product : Amino Functionalized Carbon Nanotubes
Stock No : NS6130-06-669
CAS : 308068-56-6
Diameter : 10-20nm
Length : 3-8µm
Purity : >90% (Ultra High Purity MWNT)
Amorphous Carbon : < 3%
Residue (calcination in air) : < 2%
NH2 Content % : 2-3Wt%
Average interlayer distance : 0.34nm
Special Surface Area : 90-350* m²/g
Bulk density : 0.05-0.17 g/cm³
Real density : 1-2 g/cm³
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 Amino Functionalized Carbon Nanotubes

FTIR Spectra of Amino Functionalized Carbon Nanotubes

XPS Amino Functionalized Carbon Nanotubes