Intelligent Materials Pvt. Ltd.
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NANOSHEL
Creating Miracles in Black

Specification Sheet

Amine Functionalized Nanotubes
(>95wt% OD:20-30nm Length:15-30µm NH2:2-3Wt%)
Stock No: NS6130-06-674, CAS: 308068-56-6

Product	**:**	**Amine Functionalized Nanotubes**
Stock No	:	NS6130-06-674
CAS	:	308068-56-6
Diameter	:	20-30nm
Length	:	15-30µm
Purity	:	>99.99% (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* 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

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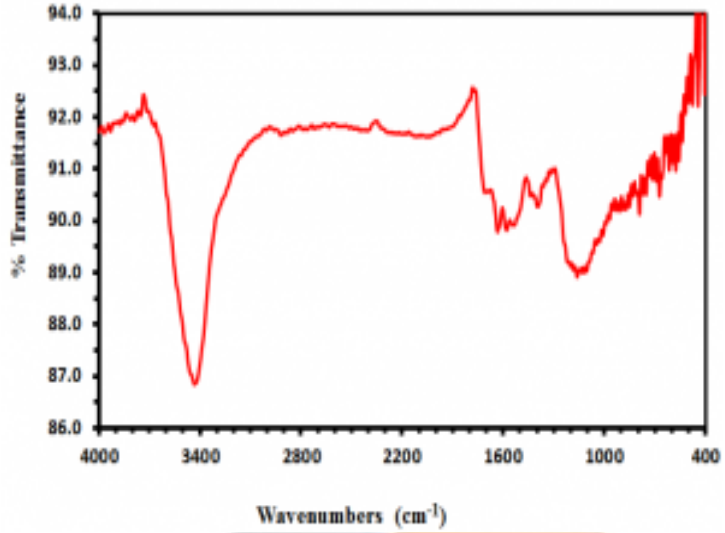
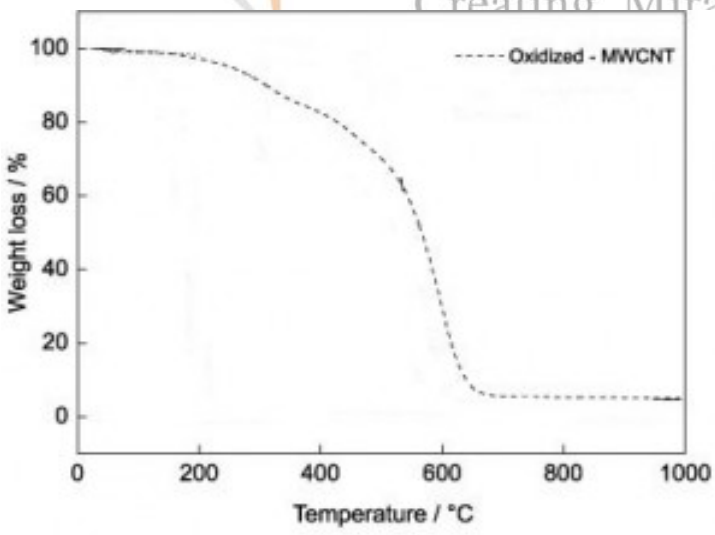
Characterization of Amine Functionalized Nanotubes



FTIR Spectra of Amine Functionalized Nanotubes



XPS Amine Functionalized Nanotubes