

Specification Sheet

MWCNT COOH

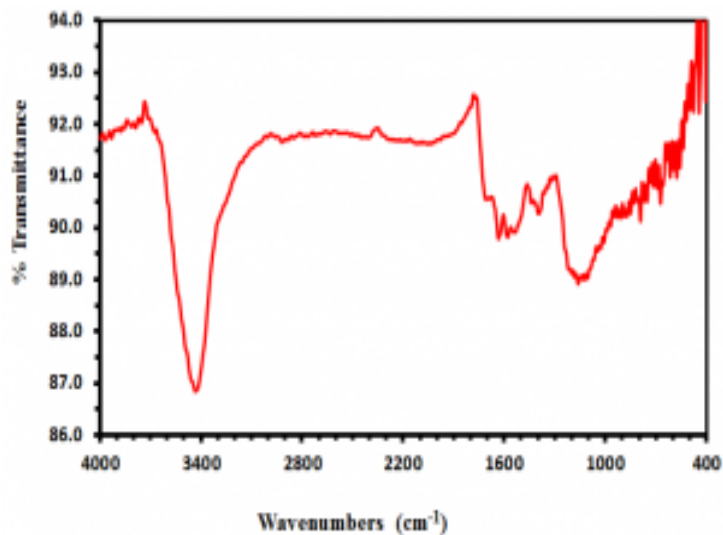
(High Purity, OD: 10-20nm, COOH: 2-4wt%, >98wt%)

Stock No: NS6130-06-658, CAS: 308068-56-6

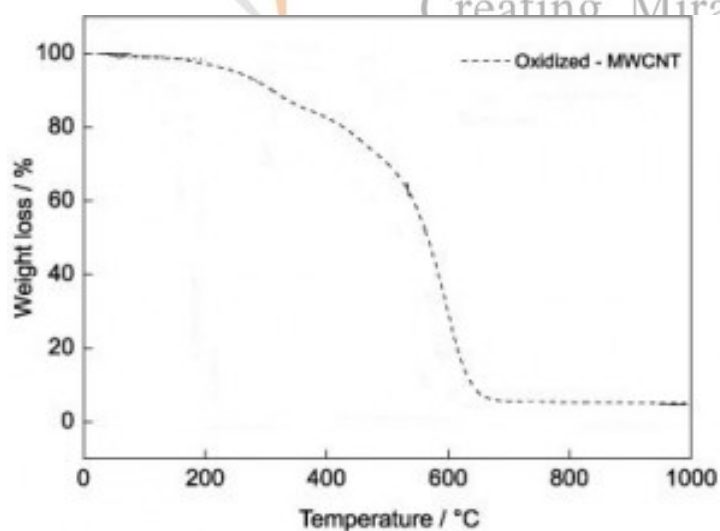
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|------------------------------|---|--|
| Product | : | MWCNT COOH |
| Stock No | : | NS6130-06-658 |
| CAS | : | 308068-56-6 |
| Category | : | MC-SL-1 |
| Diameter | : | 10-20nm |
| Length | : | 3-8 μ m |
| Purity | : | >98wt% (MWNT) |
| Amorphous Carbon | : | < 3% |
| 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 MWCNT COOH



MWCNT COOH FTIR Spectra



MWCNT COOH