

Specification Sheet

SWCNT Hydroxyl Conjugation

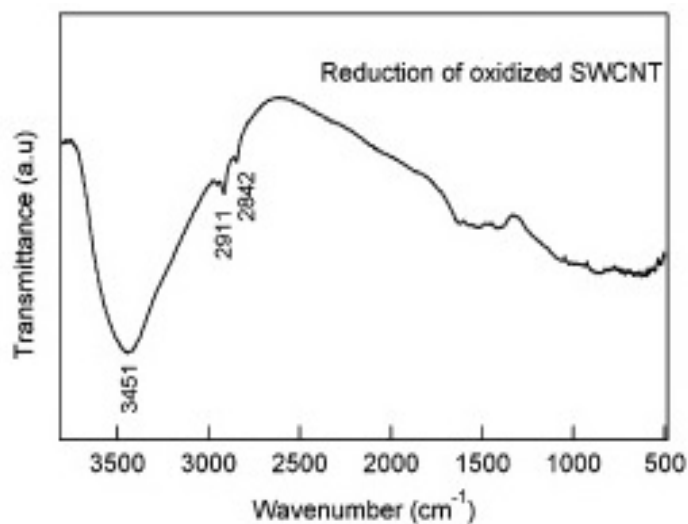
(80-90wt% OD:1-2nm Length:15-30 μ m OH:2-4Wt%)

Stock No: NS6130-06-618, CAS: 308068-56-6

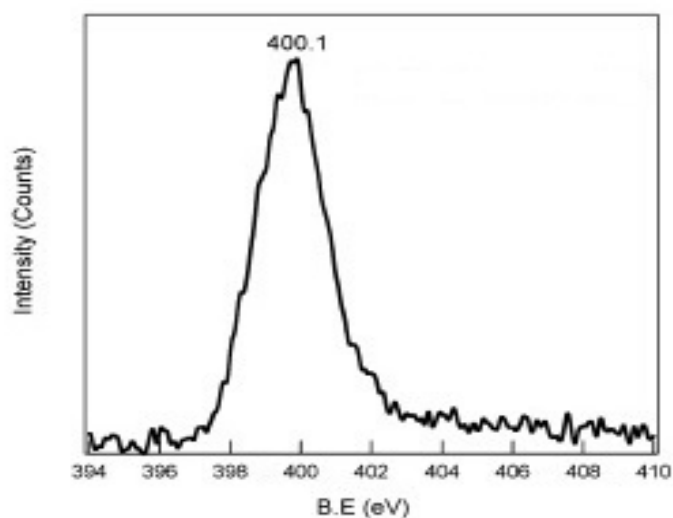
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|-------------------------------|---|--|
| Product | : | SWCNT Hydroxyl Conjugation |
| Stock No | : | NS6130-06-618 |
| CAS No | : | 308068-56-6 |
| Category | : | SO-LL-3 |
| Avg. Diameter | : | 1-2nm |
| Length | : | 15-30 μ m |
| Purity | : | >80% (SWNT) |
| Amorphous carbon | : | < 5% |
| Residue (calcination in air) | : | < 5% |
| OH Surface Modified | : | 3 - 6wt% |
| Special Surface Area | : | 350-450* m ² /g |
| Bulk density | : | 0.05-0.17 g/cm ³ |
| Real density | : | 2-3 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) |
| Main Inspect Verifier | : | Manager QC |

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

Characterization of SWCNT Hydroxyl Conjugation



FTIR Spectra of Hydroxyl SWCNT



XPS Spectra of Hydroxyl SWCNT