Specification Sheet

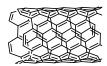


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i-SWNT

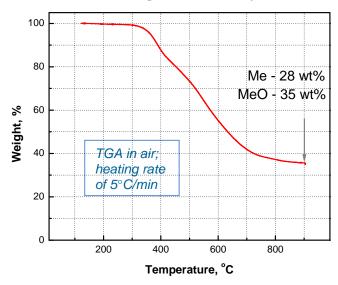
Product Description:

Industrial grade SWNTs purified by air oxidation and subsequently treated to remove the catalyst. The purified material closely approximates the pristine state with low functionality and low chemical doping.

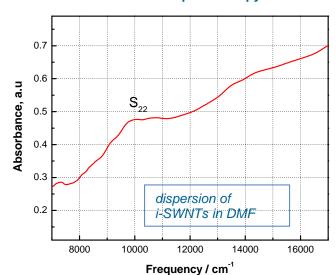


Carbonaceous Purity*:> 45%Metal Content **:< 30%Typical Diameter of Individual SWNT: $1.55 \pm 0.1 \text{ nm}$ Dispersibility in DMF***:0.1 mg/mL

Thermogravimetric Analysis



Near Infrared Spectroscopy



Areas of applications:

- Thin film transparent conducting coating
- Separation of metallic and semiconducting SWNTs
- Nanostructured composites
- Nanoelectronics and Photonics
- Sensors
- · Electromagnetic shielding

^{*} Determined according to procedure described in Nano Lett. 2003, 3, 309-314; and NIST Recommended Practice Guide "Measurement Issues in Single Wall Carbon Nanotubes": http://www.nist.gov/customcf/get_pdf.cfm?pub_id=852726

^{**} Weight % estimated from the residual of the thermal gravimetric analysis (TGA) in air at 900°C, corrected for metal oxide.

^{***} From solution phase NIR spectroscopy