

TECHNICAL SPECIFICATIONS DATASHEET

Product Name: Single-Walled Carbon Nanotubes (SWCNT)

Product Series - TI-SWCNT

Number of Layers: Less than 2

Material Form: Powder

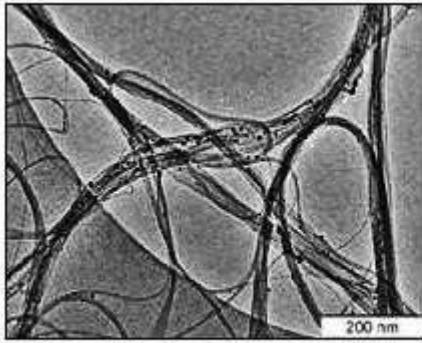
Colour – Black

Packing Size: 1gram, 10gm, 100gm, 1kg and more

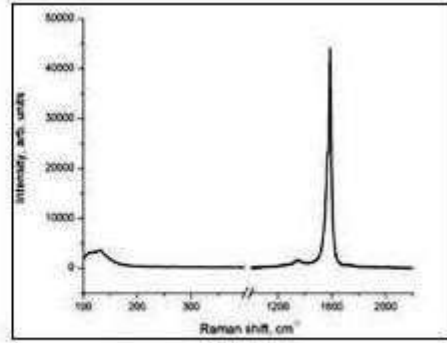
Properties:

| Specification | Unit of measure | Value | Method of evaluation |
|-------------------------|-------------------|-----------|----------------------|
| Carbon content | Wt. % | > 91 | TGA, EDX |
| Single wall CNT content | Wt. % | ≥ 85 | TEM, TGA |
| Number of layers CNT | Unit | 1 - 2 | AFM, TEM |
| Outer mean diameter CNT | nm | 1.8 ± 0.4 | AFM, TEM |
| Length of CNT | µm | 5 | TEM, SEM, AFM |
| Metal Impurities | Wt. % | < 5 | EDX, TGA |
| Specific Surface area | m ² /g | 422 | BET |
| Moisture content | Wt. % | 1 | TGA |

Characterisations:



TEM Image



RAMAN Spectrum

Techinstro assures the above specification and dimensions of the product as per datasheet. We ensure the quality of the product with moisture proof packing. This sheet is also available on the website, where a researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.