TECHNICAL DATA SHEET

# Technical Data Sheet: Low Iron Single Walled Carbon Nanotubes 99.5 wt%, Battery Grade

**Product code: 0115**

Revision 2026-11

## Description

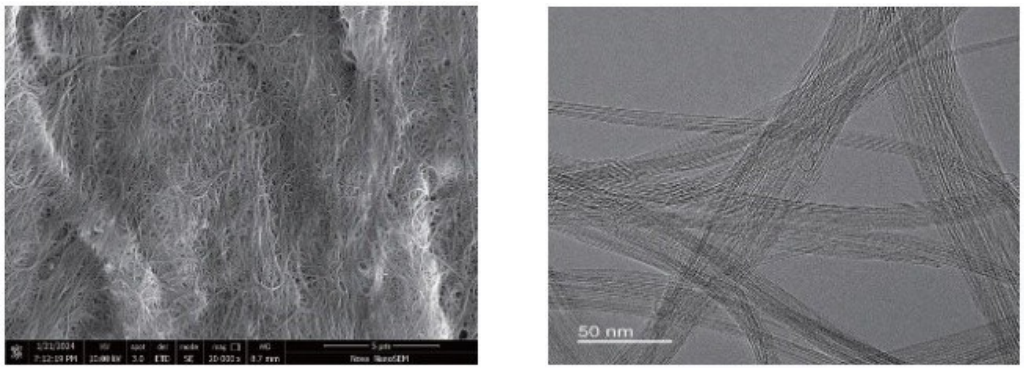
High purity single walled carbon nanotubes (SWCNT) in our CTI series, supplied as a dry powder with 1-2nm outer diameter and low metal content. A high aspect ratio and specific surface area make them effective at low loading.

## Specifications

| Property | Value |
|---|---|
| **Outer diameter** | 1-2nm |
| **Length** | >100um |
| **Specific surface area** | >800 m2/g |
| **Purity** | 99.5 +/- 0.5 wt% |
| **Iron (ICP)** | <2000 ppm |

## Characterization

Representative SEM and TEM images of this grade are shown below. A representative Certificate of Analysis is available.




SEM (left) and TEM (right), representative

## Applications

Our high purity SWCNT are suited to conductive additives for battery electrodes, coatings, polymers and composites, and to transparent conductive films and sensors.

## Storage and Handling

Store sealed, dry, at room temperature. Use respiratory protection when handling dry powder; see SDS.

## Documentation

Representative data provided. A representative Certificate of Analysis is available. Safety Data Sheet at cheaptubes.com/nanomaterial-msds-safety-sheets.

Application results depend on formulation, equipment and process conditions; confirm with your own trials. Specifications reflect the product page at cheaptubes.com as of November 2026.