Technical data

Categories No: TNST  
Name: High Purity Single-walled Carbon Nanotubes  
Purity: >95wt%  
Diameter: <2nm  
Length: 5-30um  
SSA: >490m²/g  
Color: Black  
Tap density: 0.14g/cm³  
Ture density: ~2.1g/cm³  
EC: >100S/CM  
Making method: CVD
TEM
Scanning Electron Microscopy (SEM)
The diagram shows a TG Curve of TNST with a peak at 643.27491°C.
**Components** | **Contents (%)**
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C | 98.03
O | 0.89
Mo | 0.03
Co | 0.11

(Certificate of Analysis)
Application instruction

TNST is the ideal raw material for CNT-based Transparent Conductive Films for the touch screen, flat panel display, OLED, and thin-film solar industries. Compared with traditional indium tin oxide (ITO) coated films, the CNT-based transparent Conductive Films have the evidently superiority as follows:

- More mechanical robustness for longer lifetime
- The broader and more color-neutral transmittance.
- Reaching higher levels of sheet resistance without losing uniformity
- Lower cost