

## Technical data

Categories No: TNST

Name: High Purity Single-walled Carbon Nanotubes

Purity: >95wt%

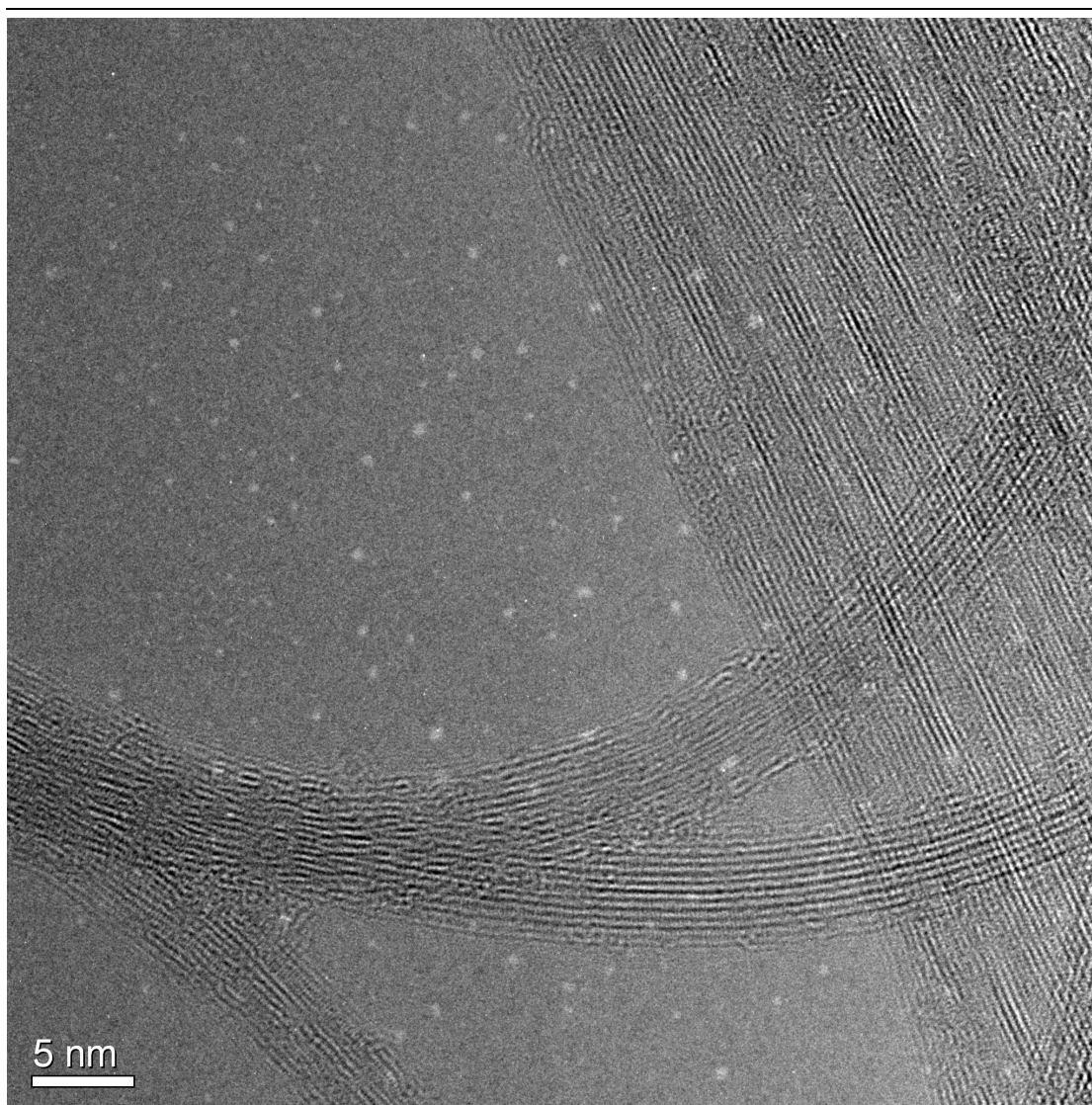
Diameter: <2nm

Length: 5-30um

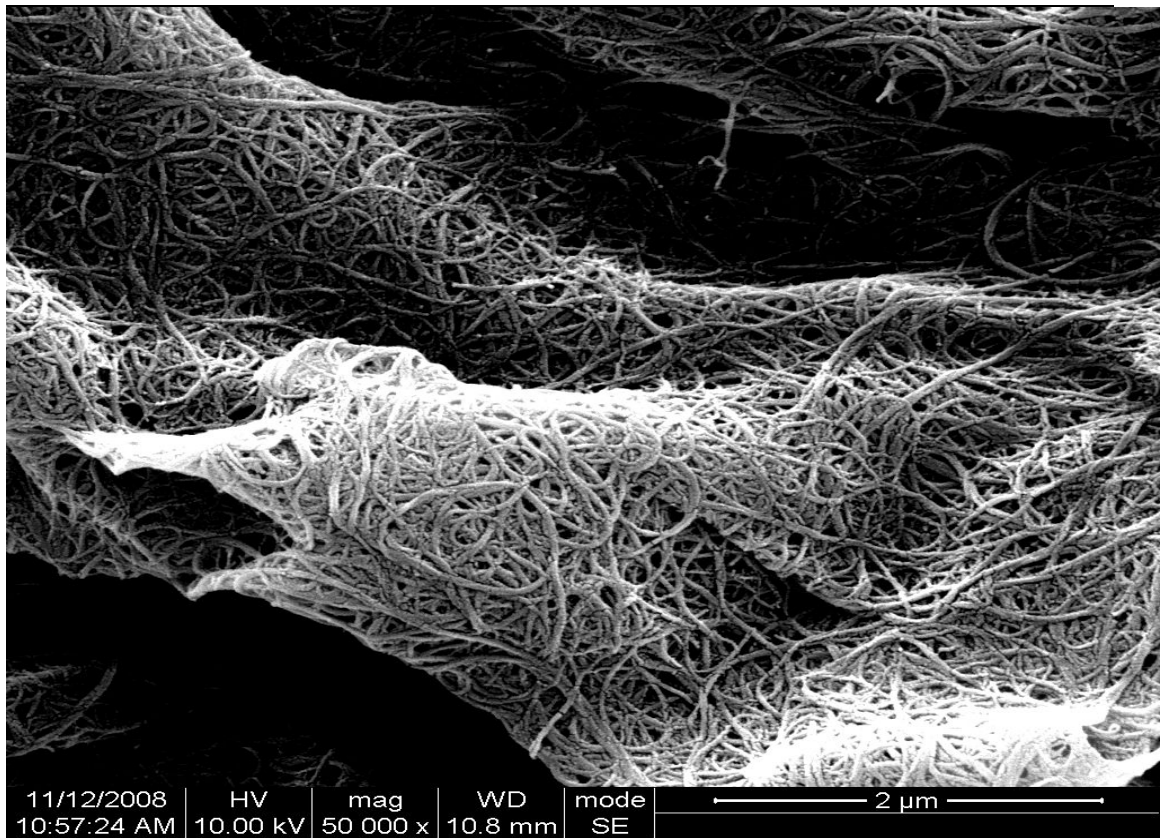
SSA: >490m<sup>2</sup>/g

Color: Black

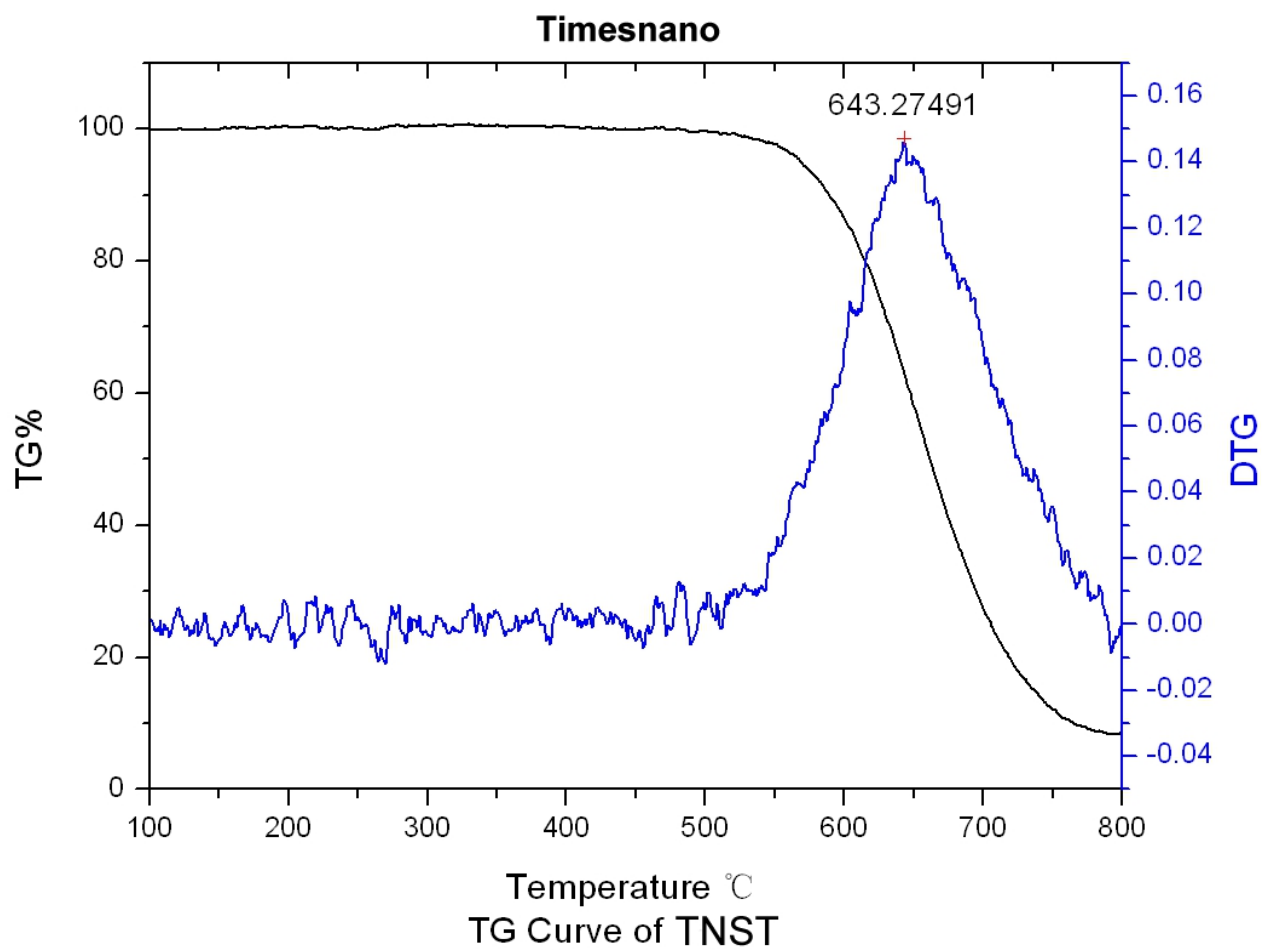
Making method: CVD



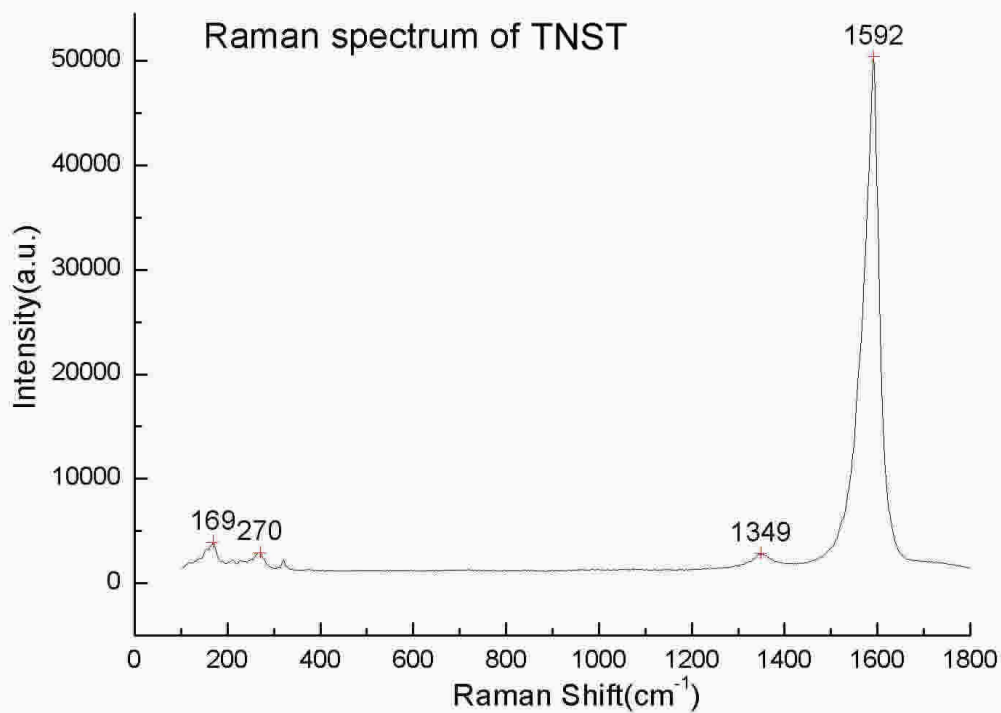
TEM



Scanning Electron Microscopy (SEM)







Components	Contents (%)
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