

Technical data

Categories No: TNIM6

Name: Industrial Grade Multi-walled Carbon Nanotubes

Purity: >90%

OD: 20-40nm [OD=Outer Diameter]

ID: 5-10nm [ID=Inner Diameter]

Length: 10-30um

SSA: >80m²/g [SSA=Special Surface Area]

Color: Black

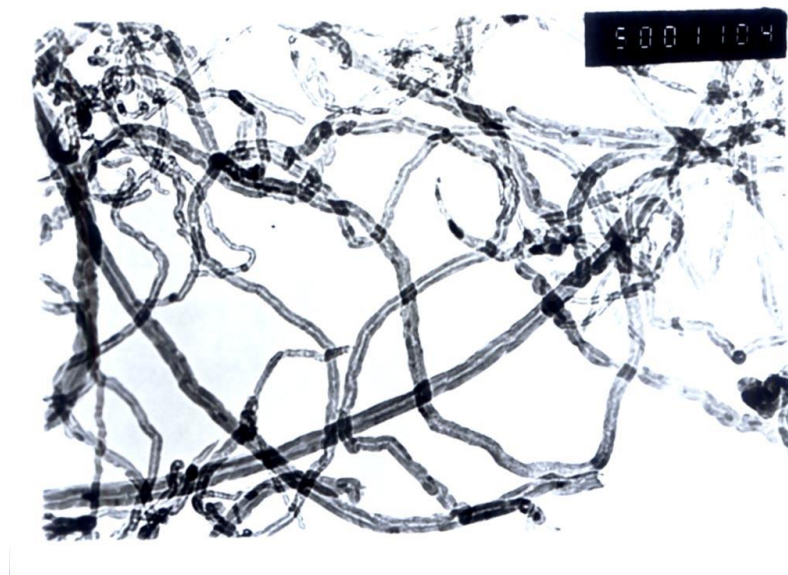
Tap density: 0.16 g/cm³

True density: ~2.1 g/cm³

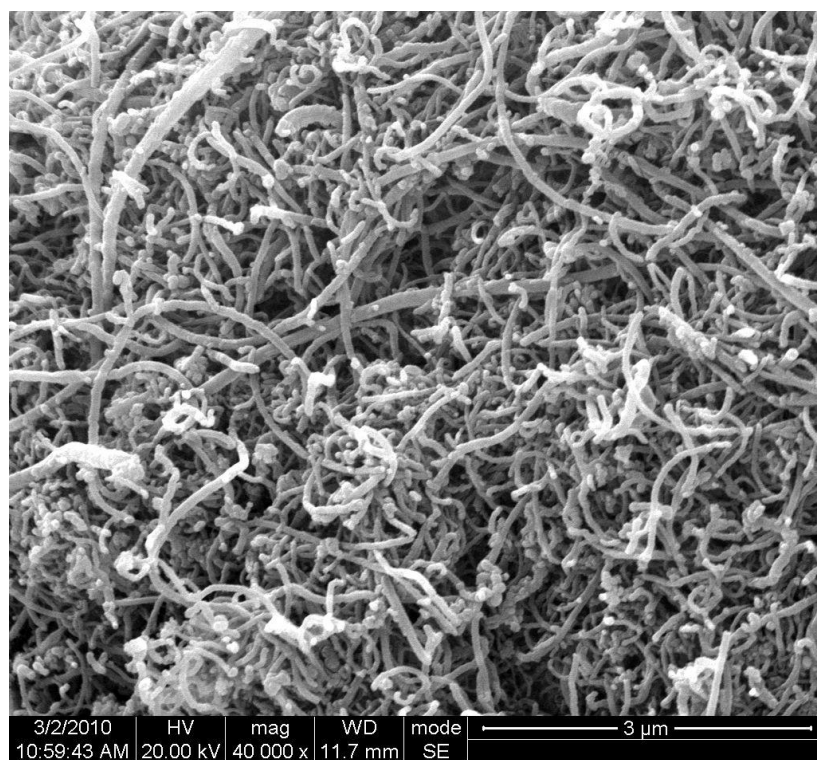
EC: >100s/cm [EC=Electric Conductivity]

Making method: CVD

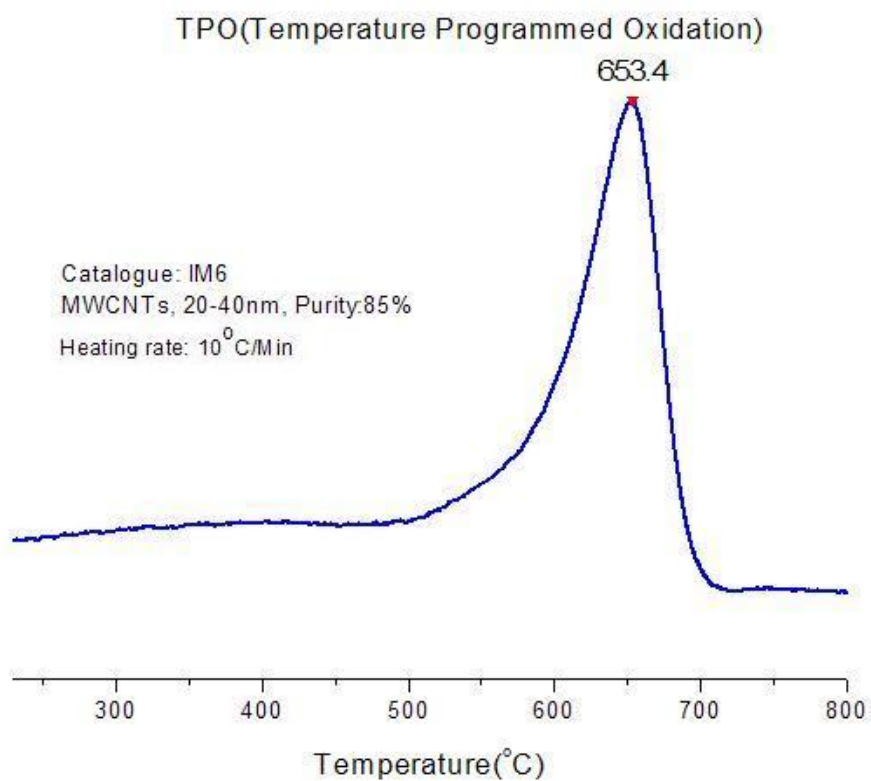
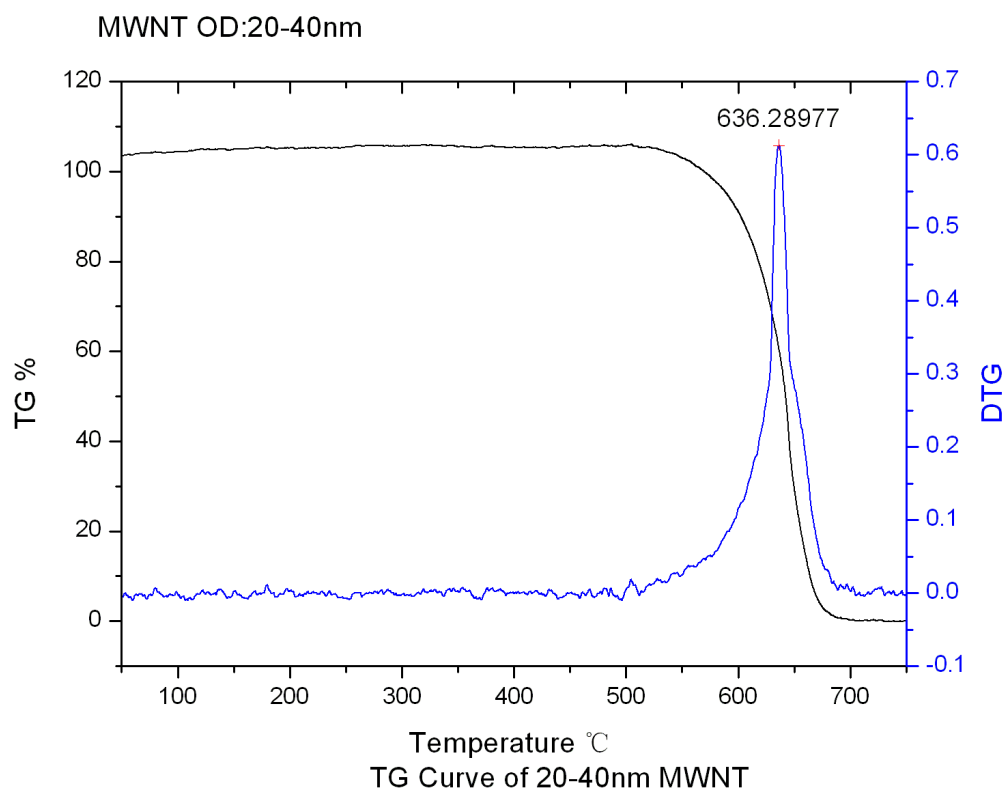
Testing paper

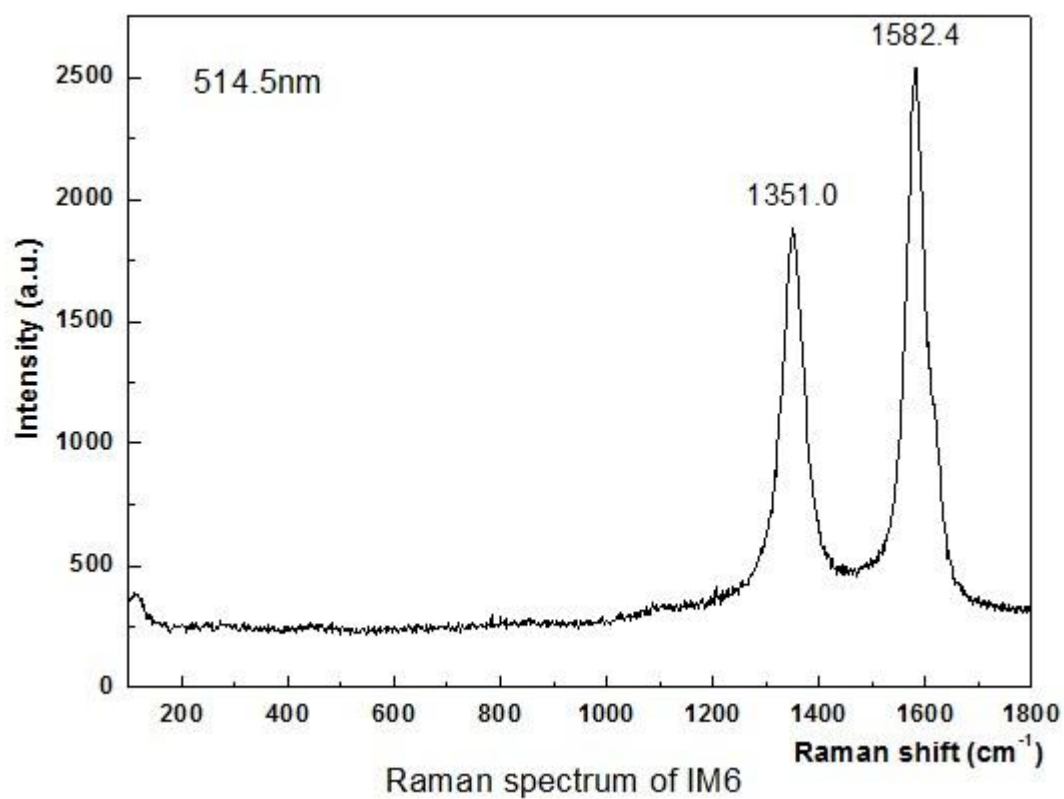


TEM



SEM





Certificate of Analysis

Components	Contents (%)
C	91.76
Al	3.76
Fe	0.29
Ni	0.83
S	0.13

Application instruction

Potential Applications of Carbon Nanotubes

Additives in polymers

Catalysts

Electron field emitters for cathode ray lighting elements

flat panel display

gas-discharge tubes in telecom networks

Electromagnetic-wave absorption and shielding

Energy conversion

Lithium-battery anodes

Hydrogen storage

Nanotube composites (by filling or coating);

Nanoprobes for STM, AFM, and EFM tips

nanolithography

nanoelectrodes

drug delivery

sensors

Reinforcements in composites

Supercapacitor