

## Technical data

Categories No: TNVM3

Name: Industrial Grade Vertically Aligned Multi-walled Carbon Nanotubes

Purity: >85%

OD: 10-20nm [OD=Outer Diameter]

Length: 10-20 $\mu$ m

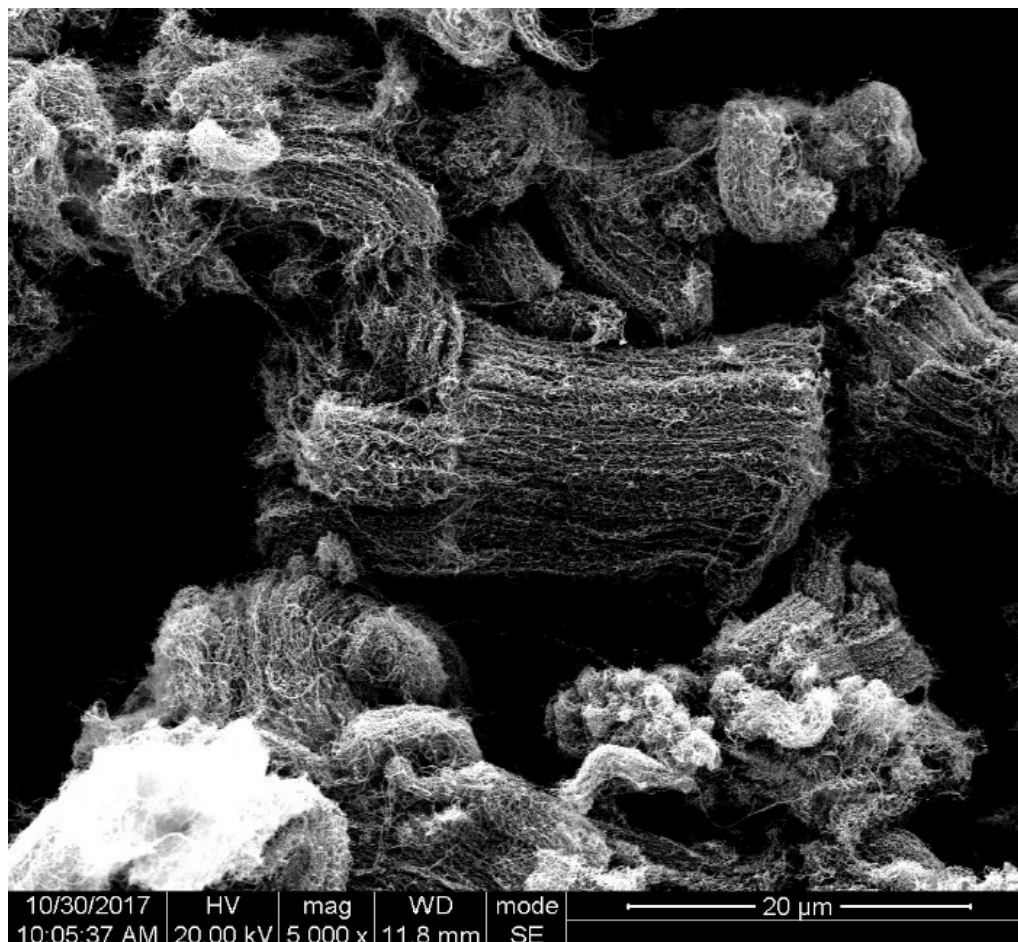
SSA: 180-220m<sup>2</sup>/g [SSA=Specific Surface Area]

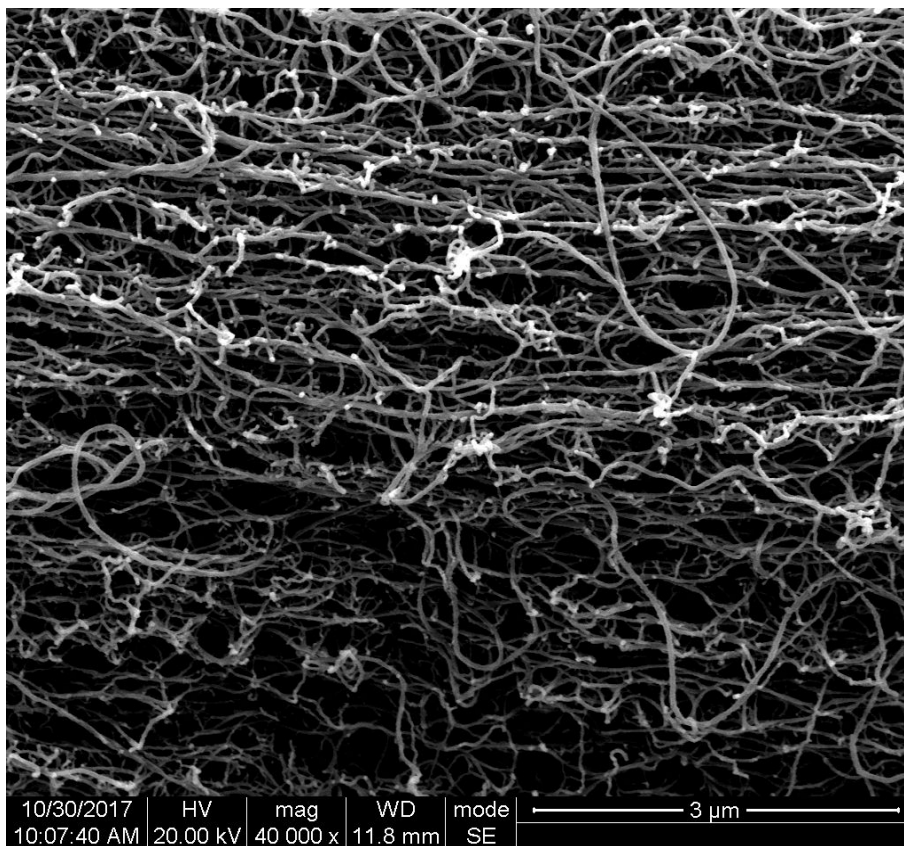
Color: Black

Making method: CVD

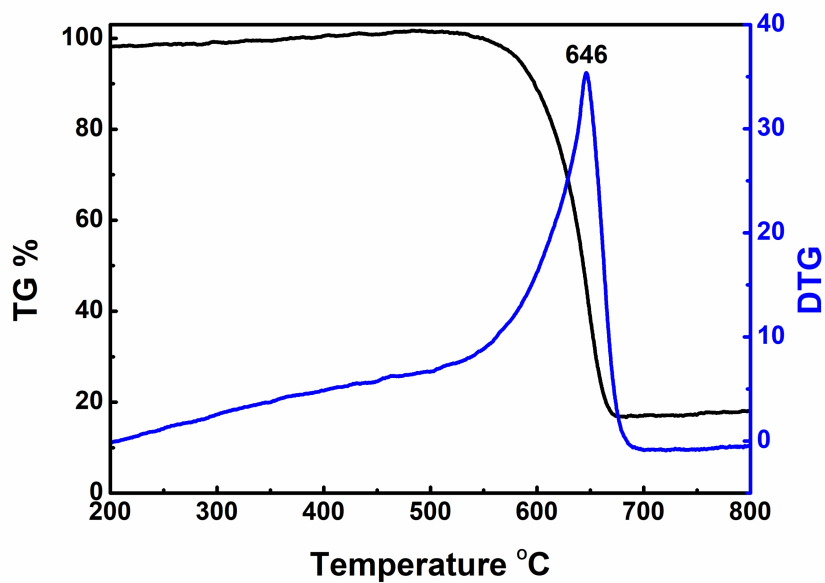
## Testing pictures

SEM

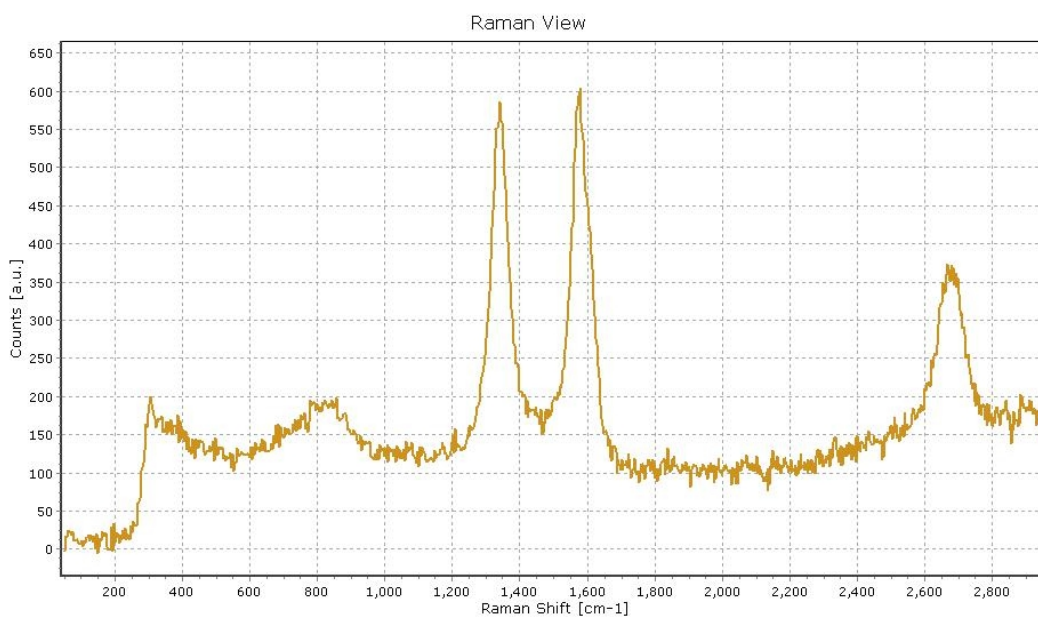




### TGA



## Raman



## 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);

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Nanoprobes for STM, AFM, and EFM tips

nanolithography

nanoelectrodes

drug delivery

sensors

Reinforcements in composites

Supercapacitor