

## Technical data

Categories No: TNDC

Name: -COOH Functionalized Double-Walled Carbon Nanotubes

(DWCNTs-COOH)

Purity: >60%

-COOH Content: 2.58wt%

OD: 2-4nm [OD=Outer Diameter]

ID: 1-3nm [ID=Inner Diameter]

Length: ~50um

SSA: >350m<sup>2</sup>/g [SSA=Special Surface Area]

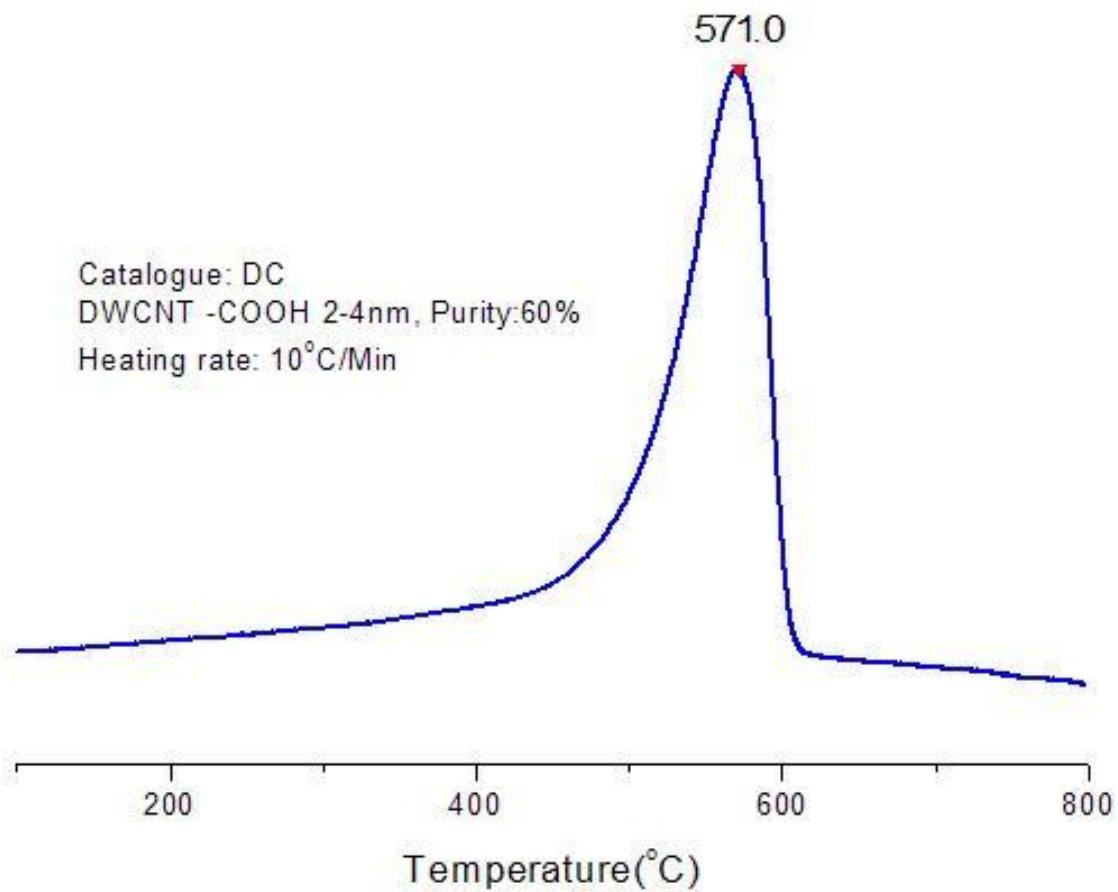
Color: Black

True density: ~2.1 g/cm<sup>3</sup>

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

Making method: CVD

### TPO Temperature programmed Oxidation



## **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