

#### Multi-Walled Carbon Nanotubes-Carboxyl (MWNTs-COOH)

Purity of CNTs: +95%

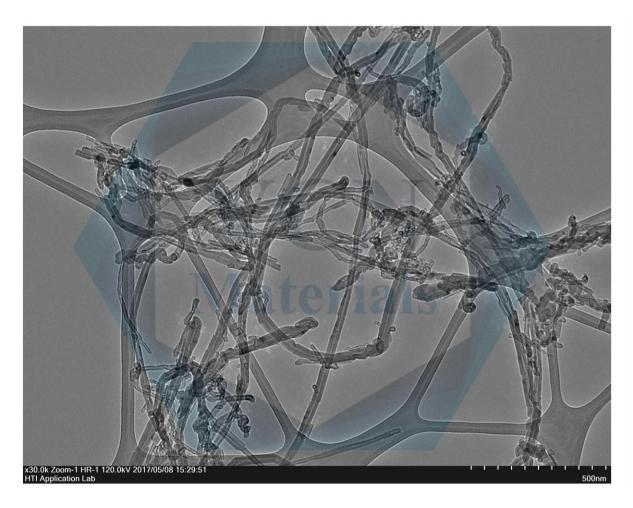
Diameter: 20-30 nm

Regular Length: 5-10 μm

SSA: more than 200 m²/g

Density: 2.1 g/cm³

#### i. Morphological analysis

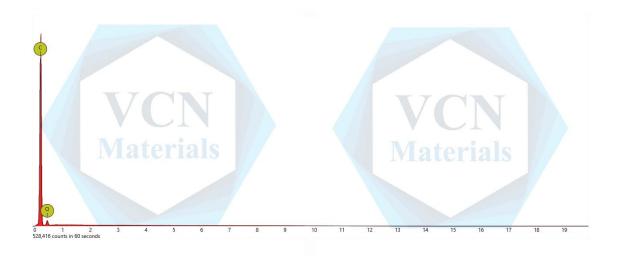


High resolution transmission electron microscopy image of Multi-Walled Carbon Nanotubes-Carboxyl



# **Certificate of Analysis**

### ii. Elemental Analysis



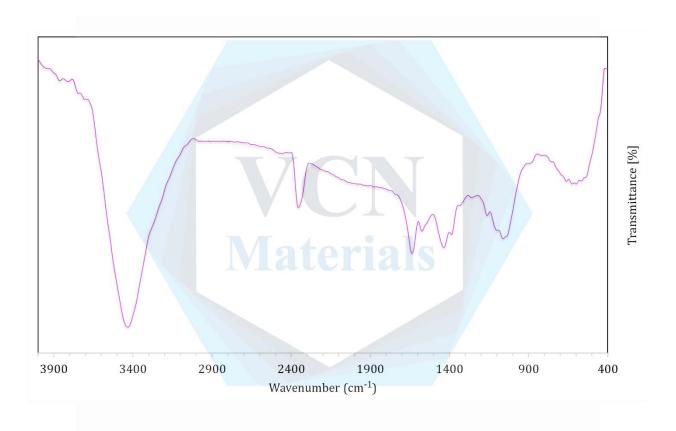
**EDX image of Multi-Walled Carbon Nanotubes-Carboxyl** 

Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
6	С	Carbon	91.49	88.98
8	0	Oxygen	8.51	11.02





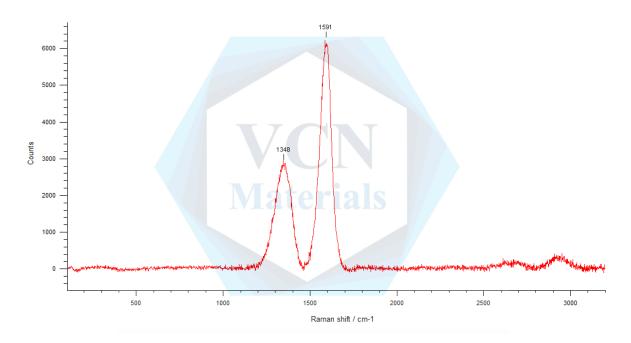
## iii. Functional Analysis



FTIR spectra of Multi-Walled Carbon Nanotubes-Carboxyl



## iv. Structural Analysis



Raman spectra of Multi-Walled Carbon Nanotubes-Carboxyl