

## Carboxyl Multi-walled carbon nanotubes long 8-15 nm

**Cat:** NM000472

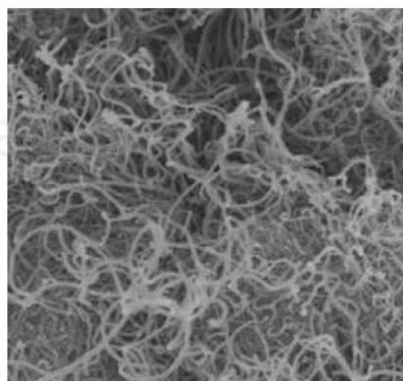
**Specification:** 10g/50g

**Storage:** Keep dry at room temperature. Expiry date: 1 year.

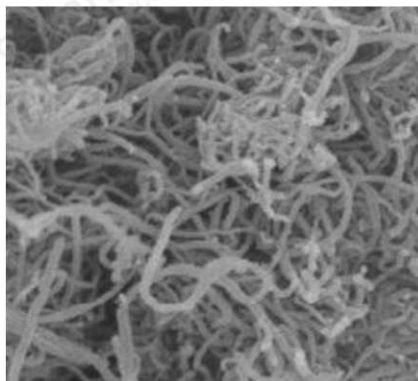
### Product Introduction:

Product name	Carboxyl Multi-walled carbon nanotubes long 8-15 nm
Purity	>95%
-COOH Content	2.56 wt%
OD=Outer Diameter	8-15nm
Length	50 $\mu$ m
Color	Black
Tap density	0.15g/cm <sup>3</sup>
True density	~2.1g/cm <sup>3</sup>
EC=Electric Conductivity	>100s/cm
Making method	CVD

### Representation Test Diagram:



SEM of Carboxyl Multi-walled carbon nanotubes (1 $\mu$ m)



SEM of Carboxyl Multi-walled carbon nanotubes (100nm)

**Application:**

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.

**Instructions for Ordering:**

It is normal for the diameter and length of Carboxyl multi-walled carbon nanotubes to be partially out of the given range.

**Note:**

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.