

## Technical data

Categories No: TN3DRGO-CNT

Name: Three-Dimensional Graphene/Multi-Walled Carbon  
Nanotubes Composite

Purity: >90% (Containing 5~10 wt% Fe nanoparticles)

layers: 3-4

Thickness: <1.4 nm

Scale of graphene sheet: 6-8  $\mu\text{m}$

CNT Length (Controllable) : 5-20  $\mu\text{m}$

CNT Outer Diameter (Controllable) : 5-40 nm

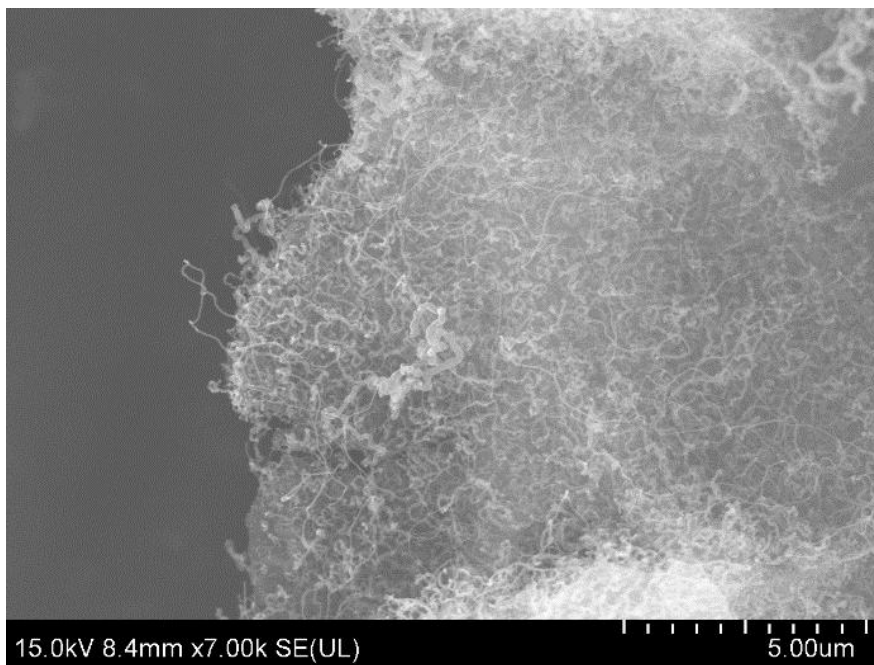
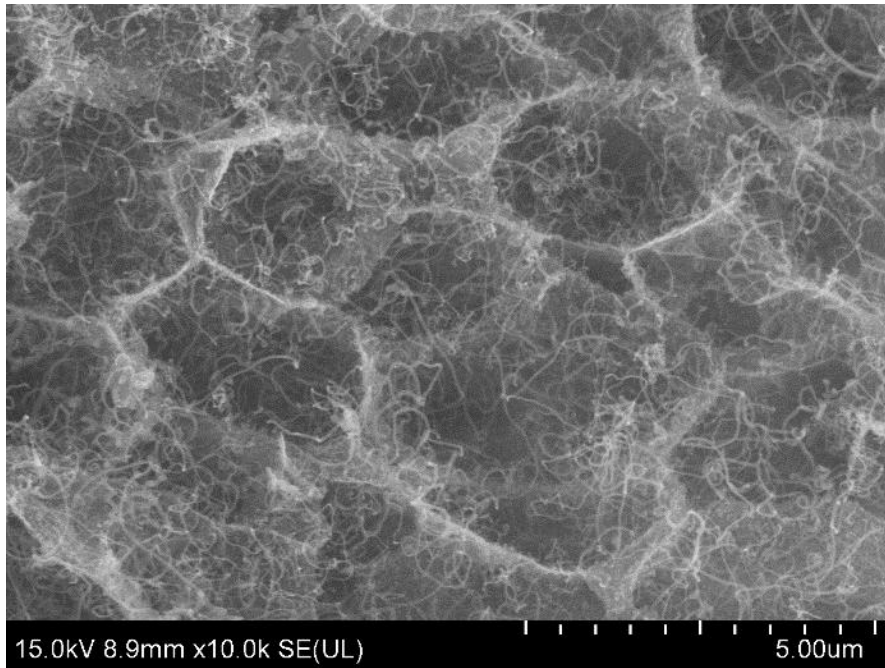
Specific Surface Area: 50-250  $\text{m}^2/\text{g}$

Electrical conductivity: EC= >5000 S/m

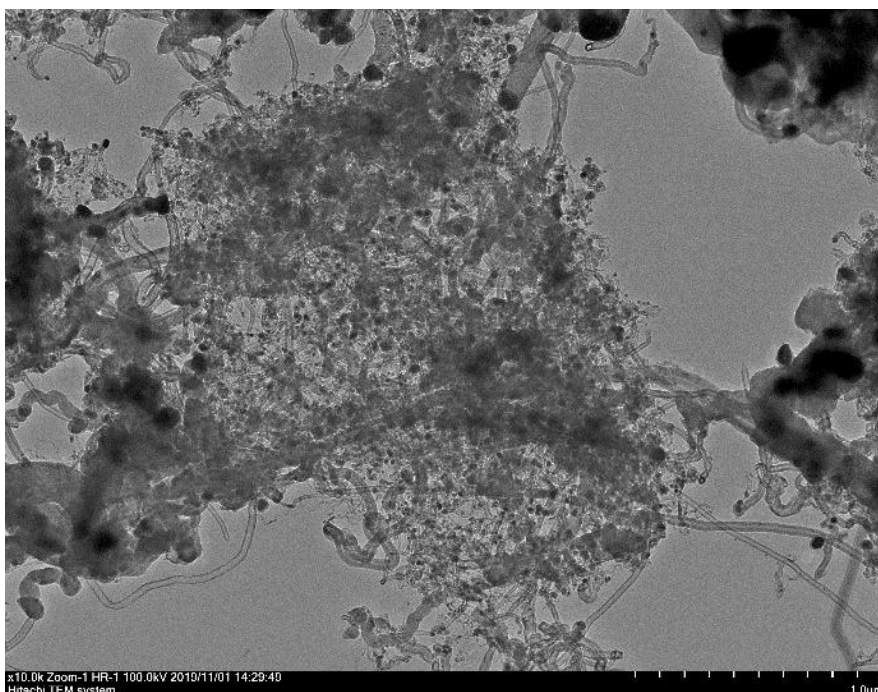
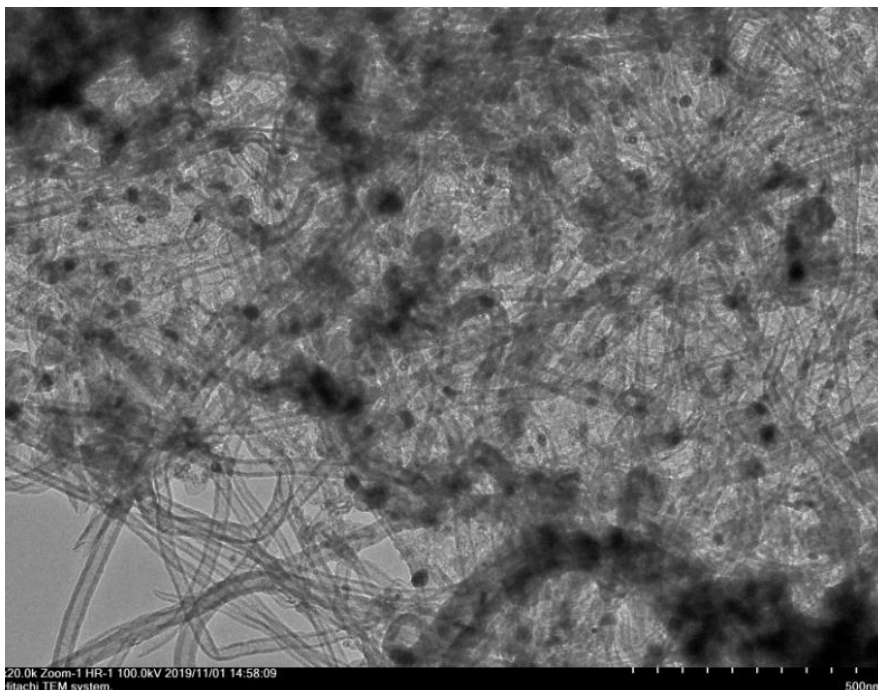
Apparent density: >0.12  $\text{g}/\text{cm}^3$

Product appearance: Black powder

### 1、SEM of Three-Dimensional Graphene



## 2、TEM of Three-Dimensional Graphene



## **【Application instruction】**

Additives in polymers

Electrocatalysts, eg. Oxygen Reduction Reaction (ORR)

Electromagnetic-wave absorption and shielding

Energy conversion

Hydrogen storage

Supercapacitor

The carrier of S cathode for Li-S batteries

Anti-corrosion Coating