



## Reagent Grade: High-quality few layer graphene powder

### 1. Product name and code:

**Name:** High-quality few layer graphene powder

**Code:** GRF-H-FLG-01

**Appearance:** Black powder

**Package:** 100 mg, 500 mg, 1 g, 2 g, 5 g



### 2. Product parameters

Property	Unit	Typical values
Thickness	nm	2
Size	$\mu\text{m}\times\mu\text{m}$	50 $\times$ 50
Purity	%	98
Conductivity	S/m	10 <sup>5</sup>
Oxygen content	%	0.5
Acide residual	%	0.5
BET	m <sup>2</sup> /g	100-500

### 3. Application areas

Lab reagent

Electrically conductive filler

Thermally conductive filler

Additive for anti-corrosive coating

Energy storage materials (Supercapacitor electrodes, Anode materials for lithium-ion batteries)

Conductive additive for battery electrodes

Films or coatings for EMI shielding

Substrate for chemical and biochemical sensors

### 4. Product property characterizations:

Suzhou Graphene Nanotechnology Co., Ltd.

Contact: Yufen Guo, Phone: 18913162915

QQ: 2567945502, 1055900276, 1974993405

Website: <http://www.szgraphene.com>

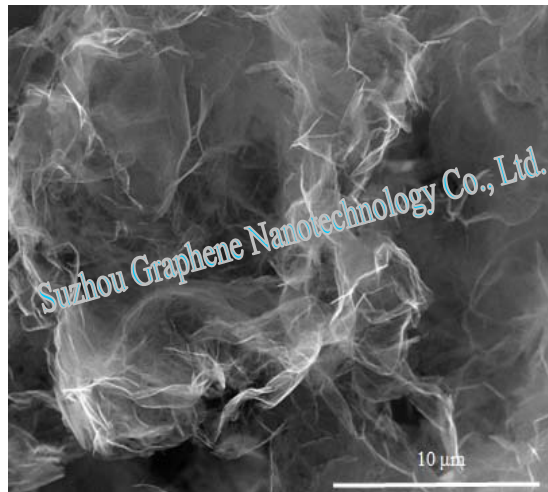
Email: [yfguo2009@sinano.ac.cn](mailto:yfguo2009@sinano.ac.cn)



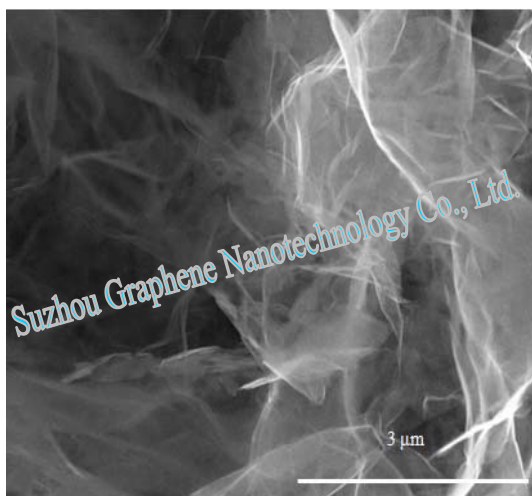
Ultrathin and large lateral size features



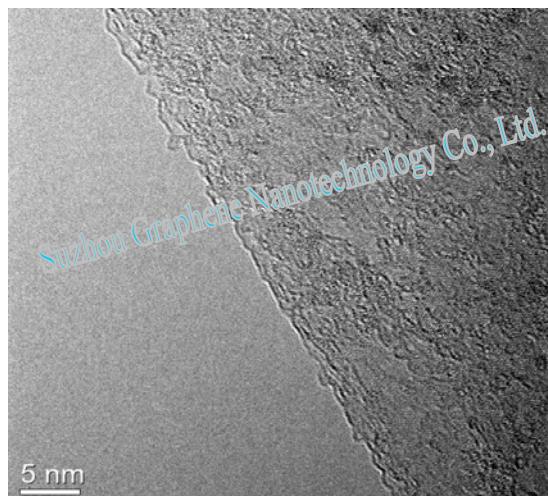
Photo image



SEM image



SEM image

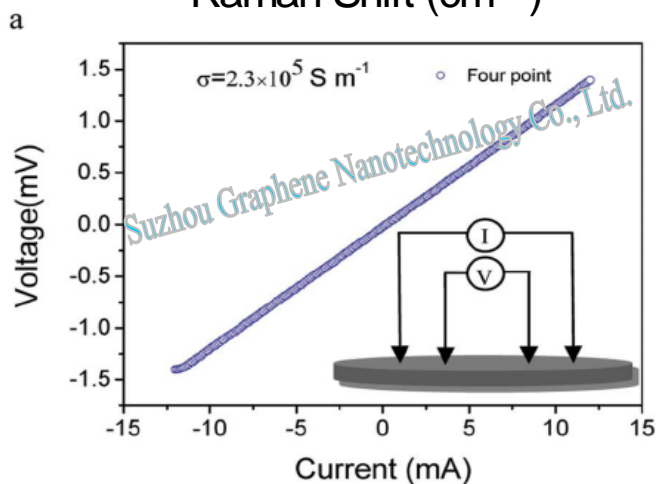
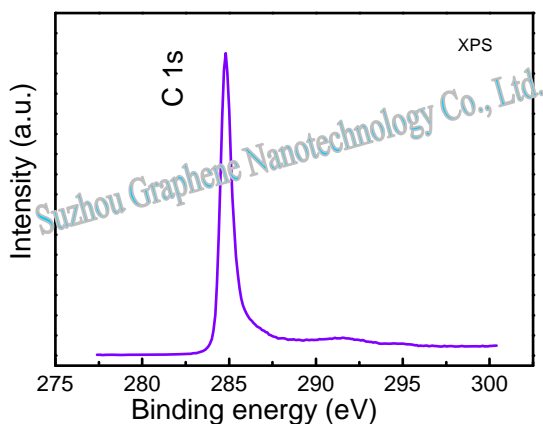
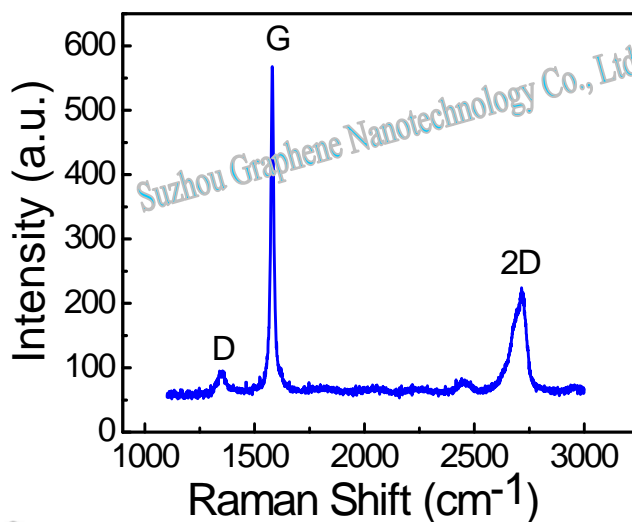


TEM image

## Highly crystalline and conductive few layer graphene



TEM image



## 5. Handling and storage:

### Handling

Avoid contact with skin and eyes. Keep away from sources of ignition. Avoid generating dust as the product may form explosive dust/air mixtures. Good housekeeping is important to prevent accumulation of dust. Graphene is electrically conductive; care should be taken to avoid accumulation of dust/powder where it may cause electrical shorting. Use only in well-ventilated areas. Launder contaminated clothing before reuse. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

### Storage

Keep out of the reach of children. Keep container tightly closed and dry.