



Technical Data Sheet

ACS Material Graphene (Arc-Discharge Method)

Table of Contents

[1 – Preparation Method](#)

[2 – Characterizations](#)

[3 – Application Fields](#)

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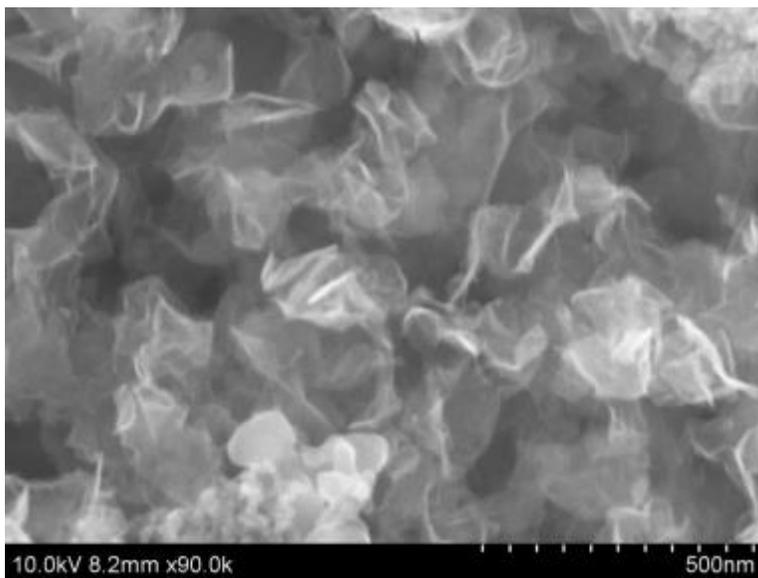
Revision: 060317

1. Preparation Method

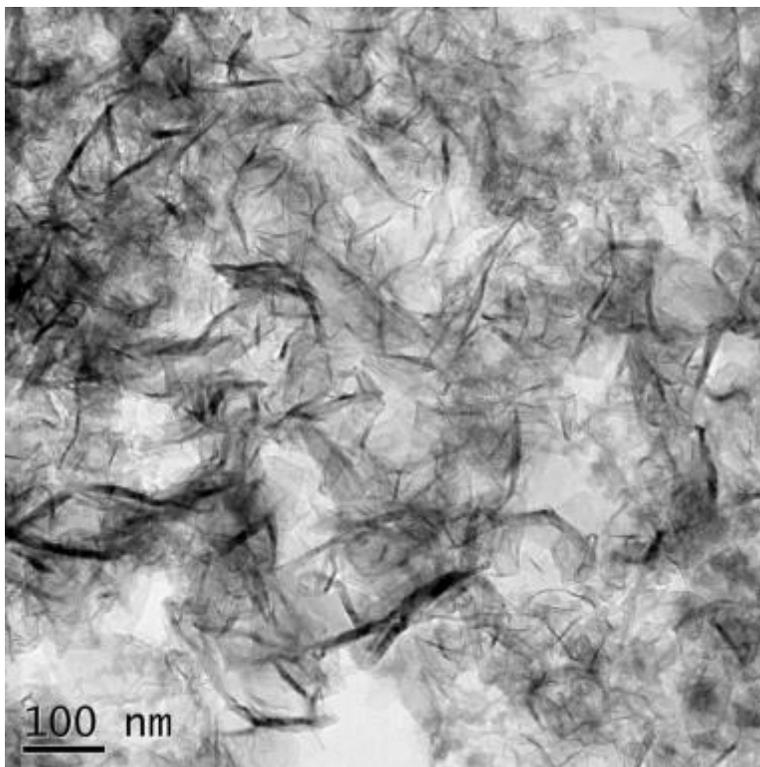
Arc Discharge Method

2. Characterizations

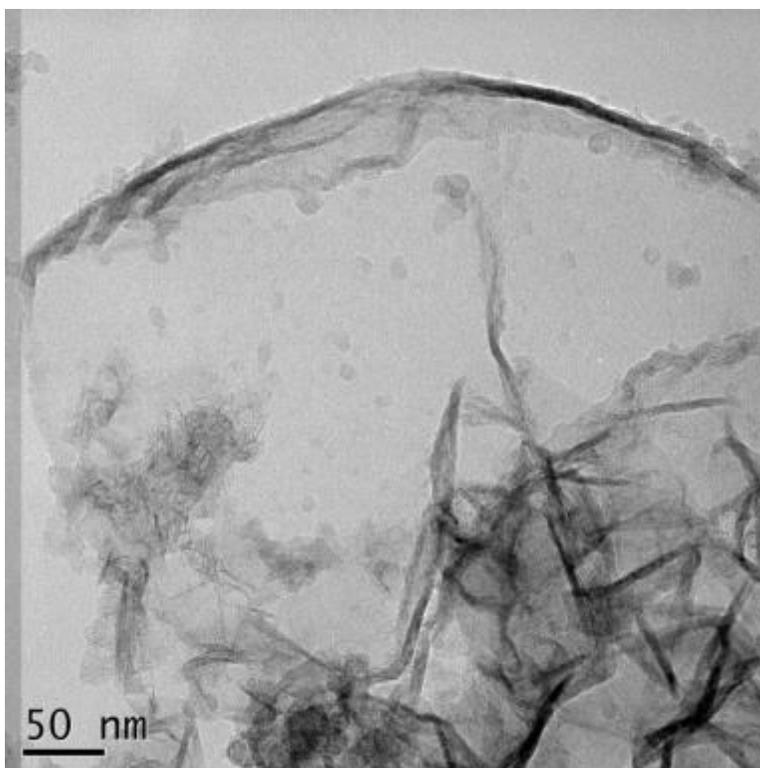
Purity:	>99%
The monolayer thickness:	0.33 nm
Layers:	1~6 L
Size:	100-200 nm
Electrical conductivity:	1000-1500 s/m
The specific surface area:	120-200 m ² /g
Pore diameter:	10 nm



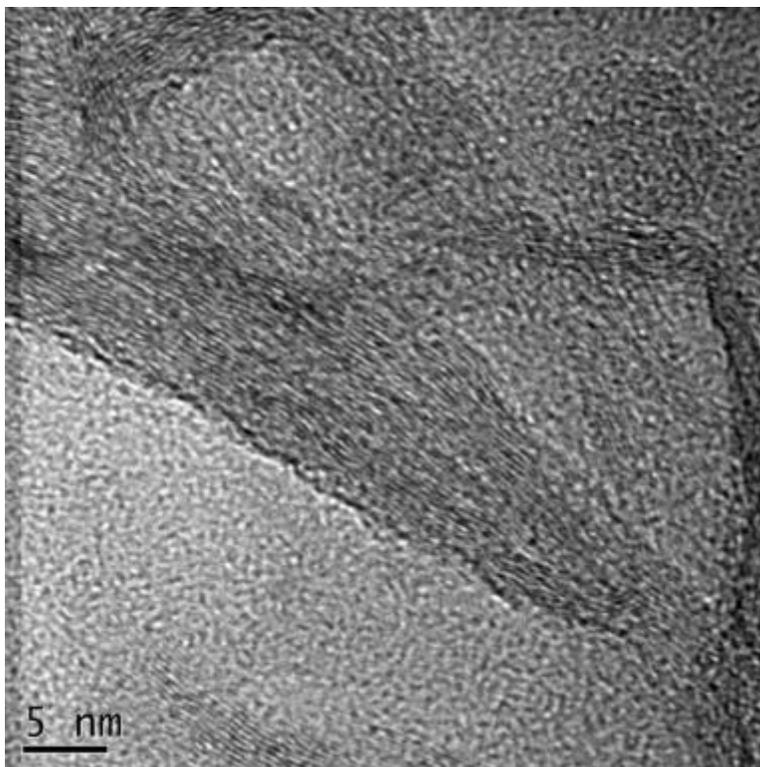
Typical SEM Image of ACS Material Graphene (Arc-Discharge Method)



Typical TEM Image of ACS Material Graphene (Arc-Discharge Method)



Typical TEM Image of ACS Material Graphene (Arc-Discharge Method)



Typical TEM Image of ACS Material Graphene (Arc-Discharge Method)

3. Application Fields

- 1) Batteries
- 2) Supercapacitor
- 3) Sensor
- 4) Electronic devices
- 5) Hydrogen storage materials

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