Technical Data Sheet

ACS Material Large-Size Graphite Oxide

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Revision: 122117

1. Preparation Method

Hummers Method

2. Characterizations

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Grade:	Industrial
Appearance:	Brownish grey powder
Monolayer Diameter:	10-40 μm
pH (1mg/mL):	~2.88
Monolayer Rate:	>95%
BET:	~207 m^2/g
Carbon Content:	~42 wt.%
Oxygen Content:	~54 wt.%
Sulfur Content:	<1.5 wt.%
Ash Content:	<1.0 wt.%
BET:	~207 m^2/g
Grain Size:	<80 mesh

5.0kV 8.4mm x1.00k   50.0um
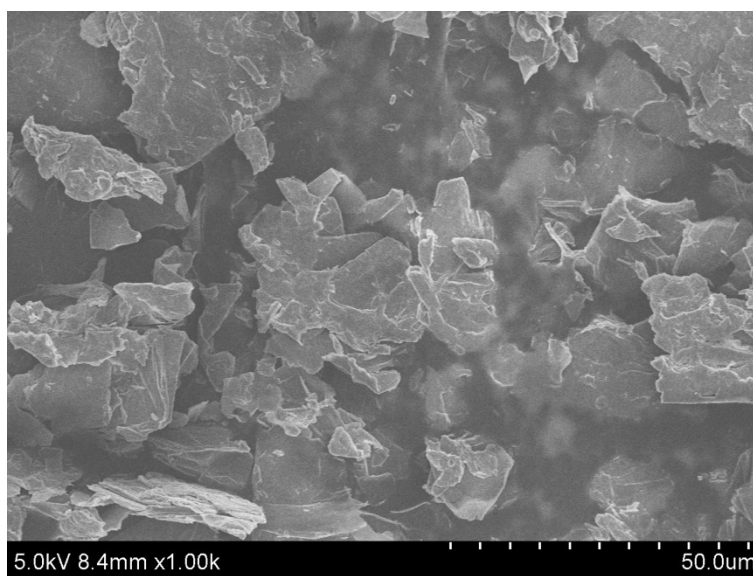
Typical SEM Image of ACS Material Large-Size Graphite Oxide
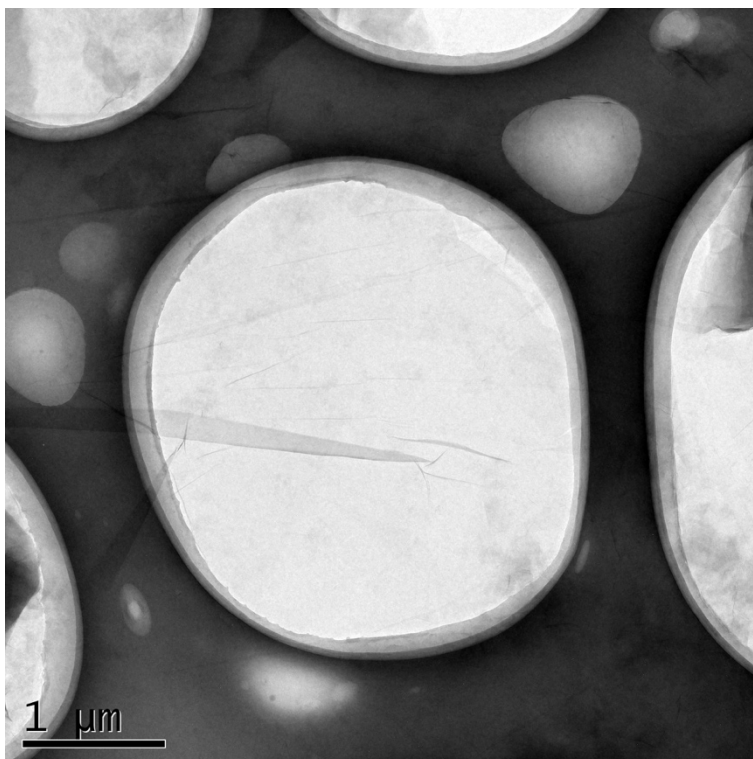
Typical TEM Image (1) of ACS Material Large-Size Graphite Oxide
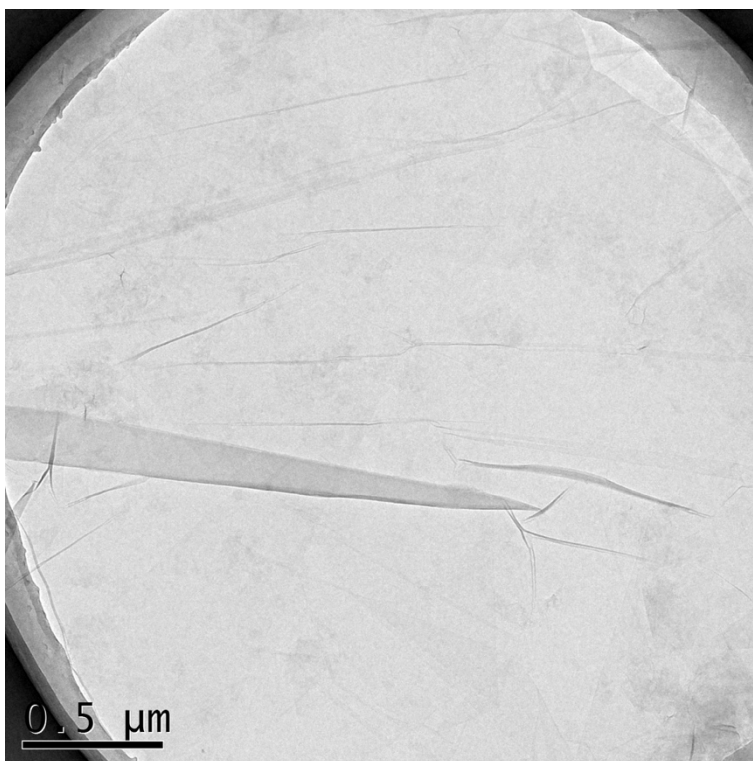
Typical TEM Image (2) of ACS Material Large-Size Graphite Oxide
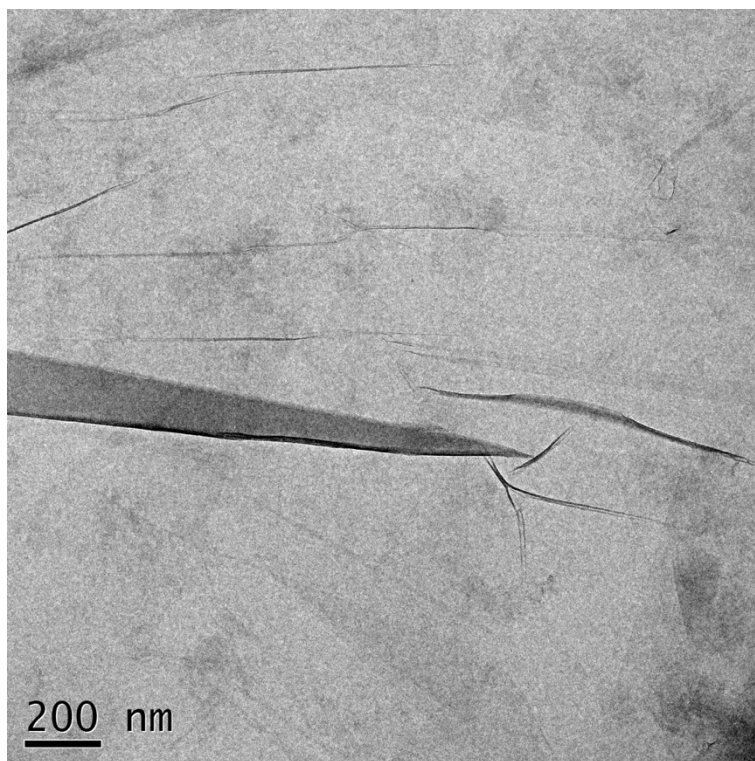
Typical TEM Image (3) of ACS Material Large-Size Graphite Oxide

- **Attention**: Using an ultrasonic dispersion equipment to peel ACS Material Large-Size Graphite Oxide, will to some extent, lead to a corresponding reduction in the diameter size. Therefore, it is recommended to use a relatively gentle stripping treatment such as mechanical stirring.

3. Application Fields

Graphene and polymers manufacture, water purification, flexible rechargeable battery electrode, optically transparent films, papers, sensors, nanocarriers for metal catalysis, anti-electrostatic additives, adsorption material and biomedicine *etc*.

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