



Technical Data Sheet

ACS Material Reduced Graphene Oxide (rGO)

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Contact Information:

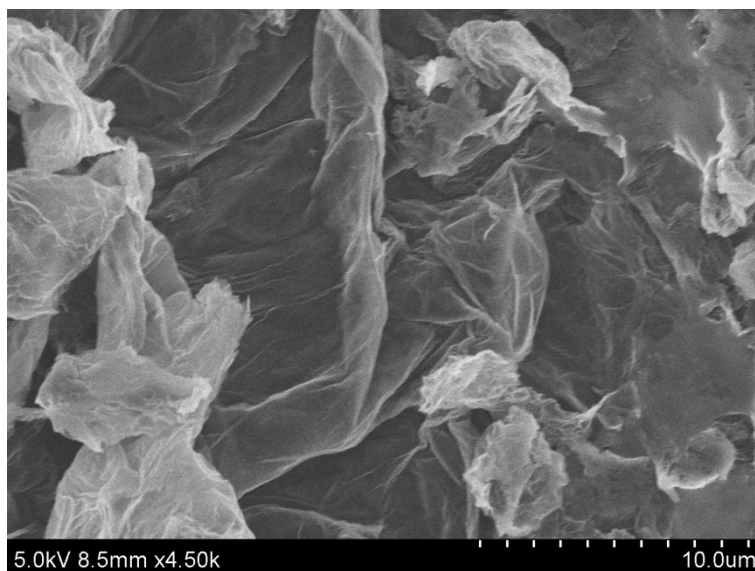
Manufacturer: ACS Material, LLC.
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Revision: 102119

1. Preparation Method

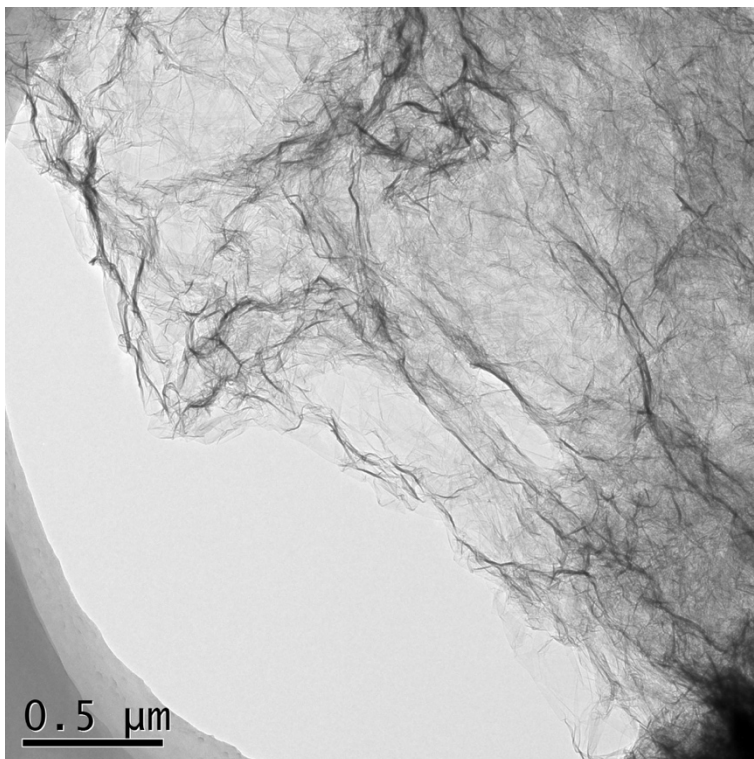
N₂H₂ Chemical Reduced Method

2. Characterizations

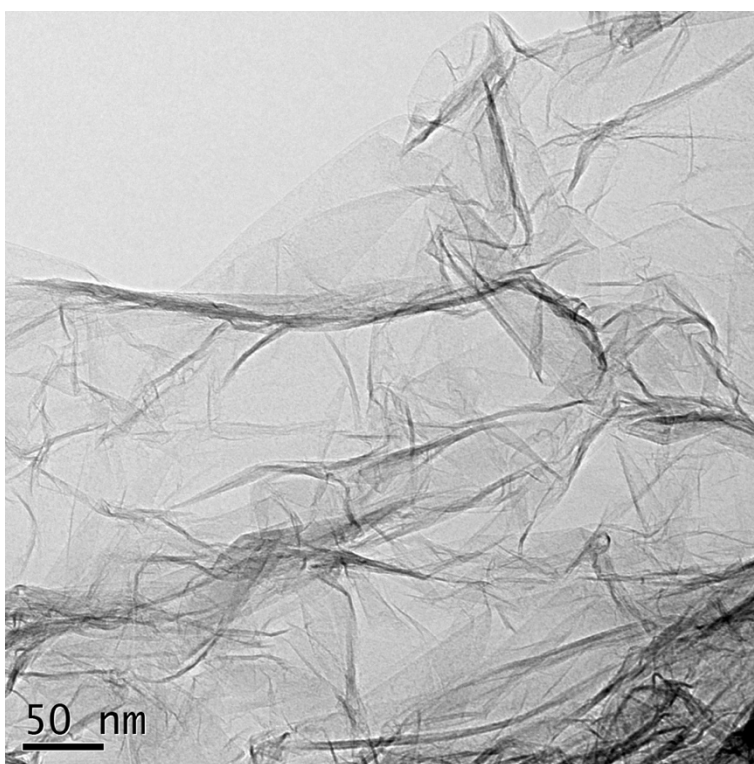
Appearance:	Brownish grey powder
Thickness:	~1 nm
Monolayer Diameter:	0.5-10 μm
Monolayer Rate:	>90%
BET:	~180 m ² /g
Carbon Content:	>82 wt.%
Conductivity:	>500 S/m



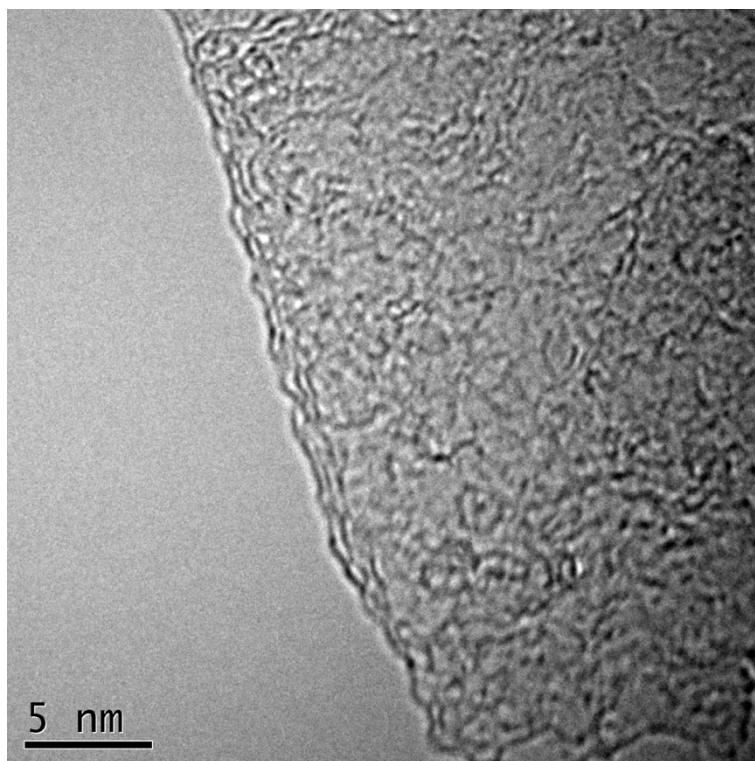
Typical SEM Image of ACS Material Reduced Graphene Oxide (rGO)



Typical TEM Image (1) of ACS Material Reduced Graphene Oxide (rGO)



Typical TEM Image (2) of ACS Material Reduced Graphene Oxide (rGO)



Typical TEM Image (3) of ACS Material Reduced Graphene Oxide (rGO)

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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