



Technical Data Sheet

ACS Material Single Layer Graphene Oxide Dispersion

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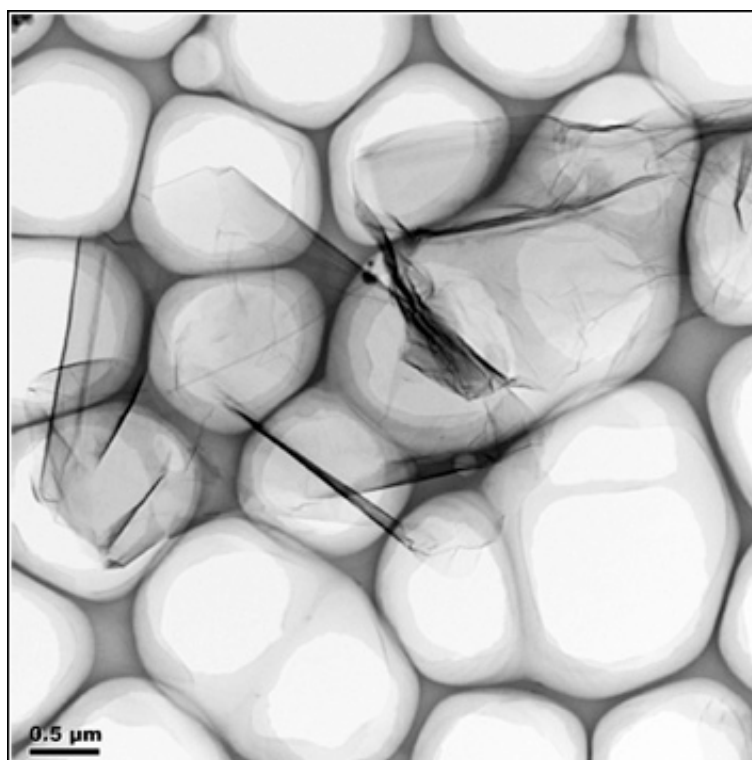
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1. Preparation Method

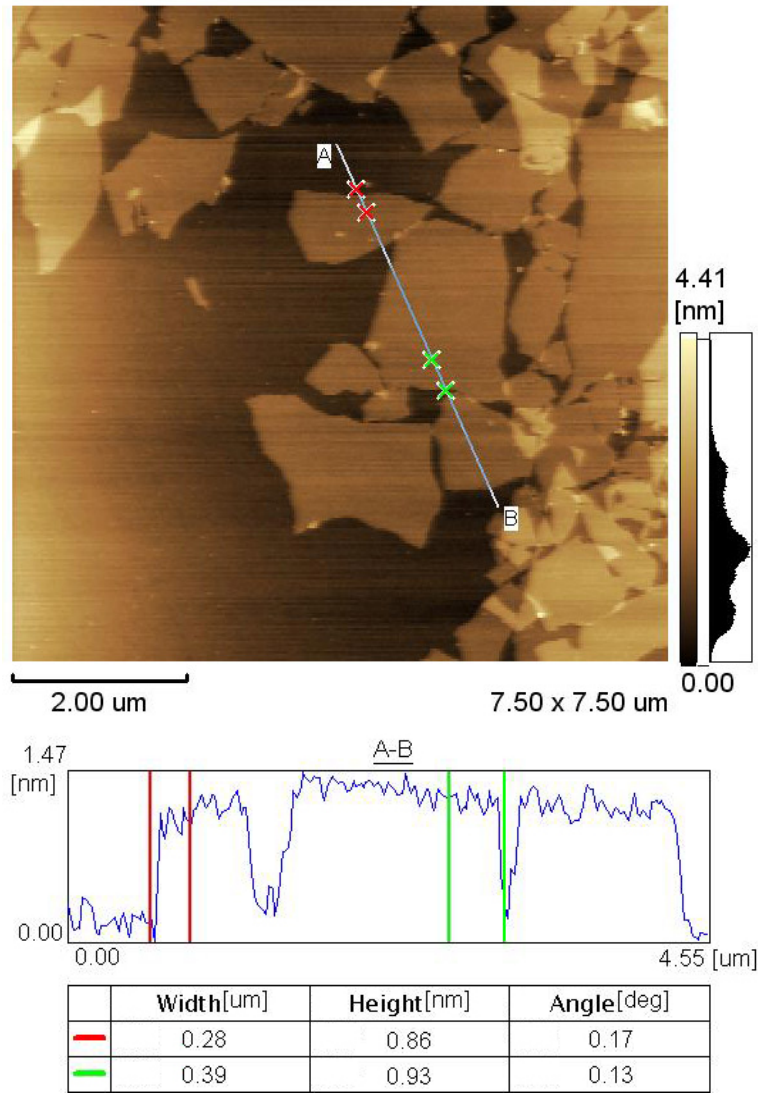
All dispersions are made from our Single Layer Graphene Oxide (H Method).

2. Characterizations

New SKU:	GNO1W001	GNODAW01 (New Product)	GNO1W005	GNOD1E01	GNOD1W01
Concentration:	10mg/ml. 100ml per bottle (1g)	5mg/ml. 1L per bottle (5g)	5mg/ml. 100ml per bottle (0.5g)	5mg/ml. 100ml per bottle (0.5g)	5mg/ml. 100ml per bottle (0.5g)
Solvent:	DI Water	DI Water	DI Water	Ethanol	DI Water
Flake size:	0.5-2.0 μm	0.5-2.0 μm	~ 500 nm	0.5-2.0 μm	0.5-2.0 μm
Thickness:	0.6-1.2 nm	0.6-1.2 nm	0.6-1.2 nm	0.6-1.2 nm	0.6-1.2 nm
Single-layer Ratio:	>80%	>80%	>80%	>80%	>80%
Color:	Brown/Black	Brown/Black	Brown/Black	Brown/Black	Brown/Black



Typical TEM Image of ACS Material Graphene Oxide Dispersion



AFM Analysis of ACS Material Graphene Oxide Dispersion

3. Application Fields

- 1) Catalyst
- 2) Supercapacitors
- 3) Solar energy
- 4) Graphene semiconductor chips
- 5) Conductive graphene film
- 6) Graphene computer memory
- 7) Biomaterials
- 8) Transparent conductive coatings

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