



Technical Data Sheet

ACS Material BioGraphene

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Contact Information:

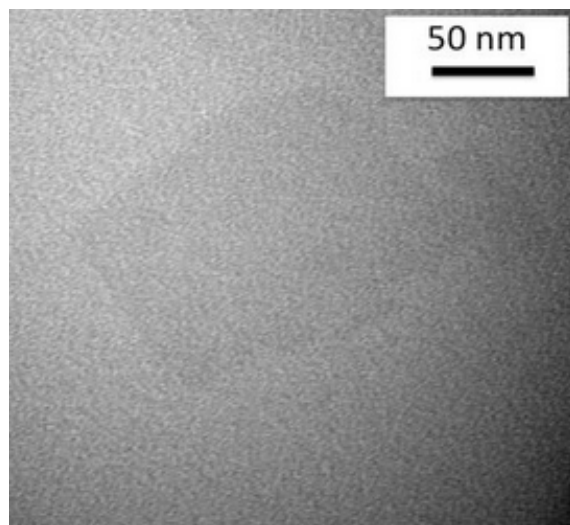
Manufacturer: ACS Material, LLC.
Address: 959 E Walnut St., Suite 100
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Revision: 010418

1. Preparation Method

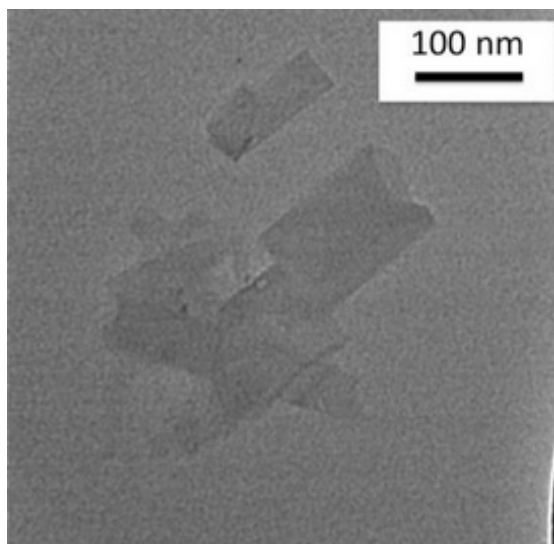
Shear exfoliation using biological agents

2. Characterizations

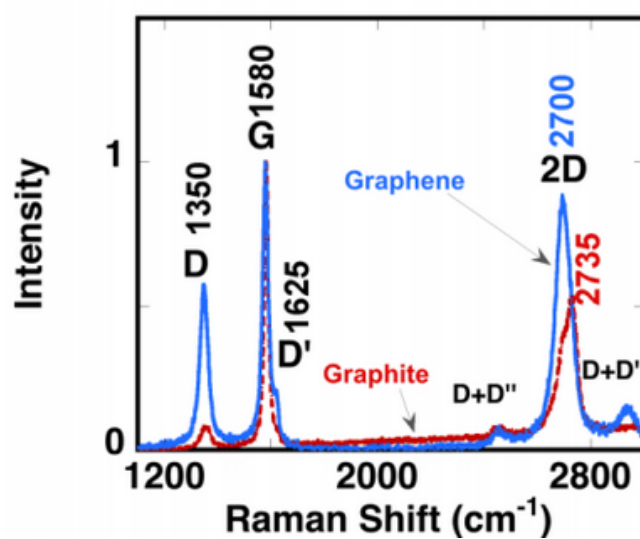
Size (sheets):	0.5 μ m
Average Thickness:	3-5 layers
Concentration:	Suspended in 3 mg/mL
Conductivity:	32,000 S/m
Platelet Concentration:	\approx 7 mg/mL graphene platelets



Typical TEM Image of ACS Material BioGraphene (1)

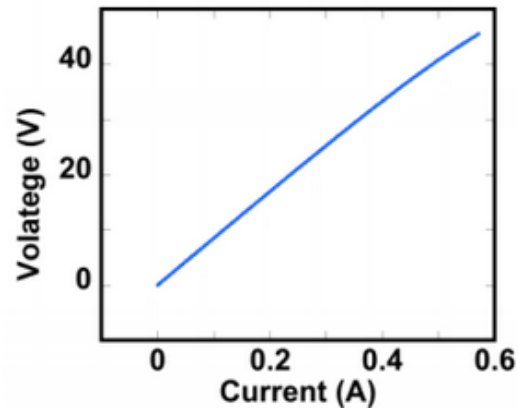


Typical TEM Image of ACS Material BioGraphene (2)



Typical Raman Spectrum of ACS Material BioGraphene

Conductivity = 32,000 S/m



Conductivity Plot of ACS Material BioGraphene

3. Application Fields

- 1) Biosensors
- 2) Bioelectronics
- 3) Drug delivery
- 4) Bioassays
- 5) Biological research

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