



Technical Data Sheet

ACS Material Trivial Transfer Graphene™

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Contact Information:

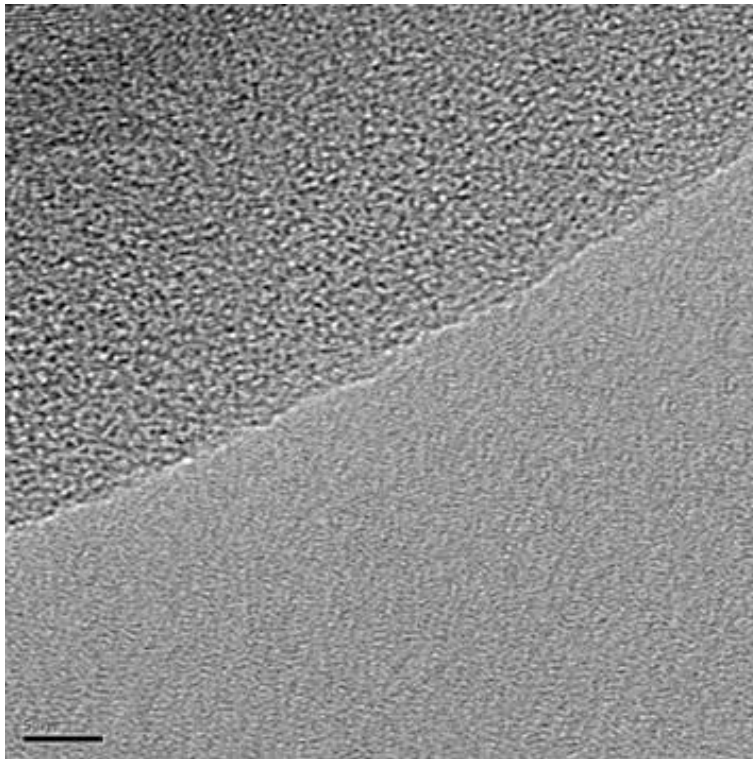
Manufacturer: ACS Material, LLC.
Address: 959 E Walnut St., Suite 100
Pasadena, CA 91106, USA
Phone: (866)-227-0656
Fax: (781)-518-0284
E-Mail: contact@acsmaterial.com
Revision: 072517

1. Preparation Method

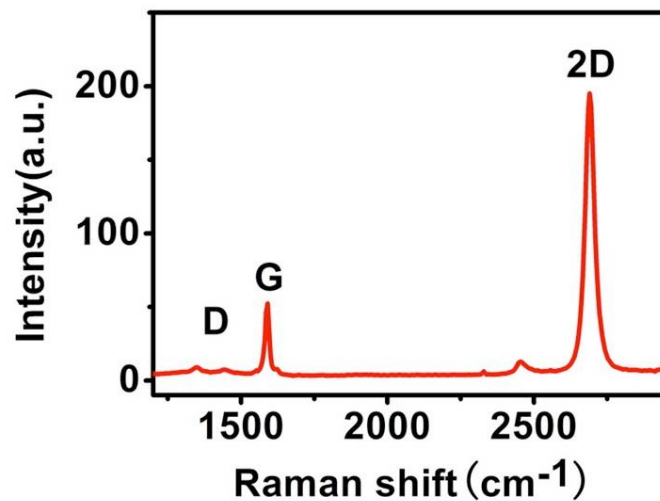
- 1) Graphene grown on Copper foil
- 2) Etch off copper with PMMA coated
- 3) Graphene with PMMA will be transferred onto substrate

2. Characterizations

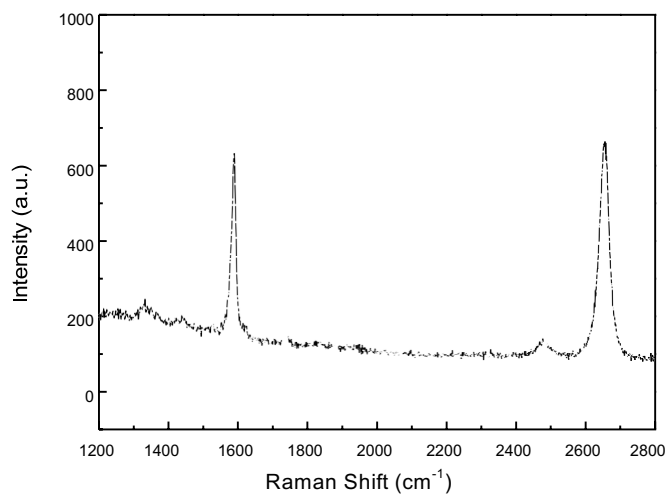
Layers:	Predominantly single-layer
Sheet Resistance (Ω/sq):	<600
Custom Order (Ω/sq):	<300
Transparency (%):	>95



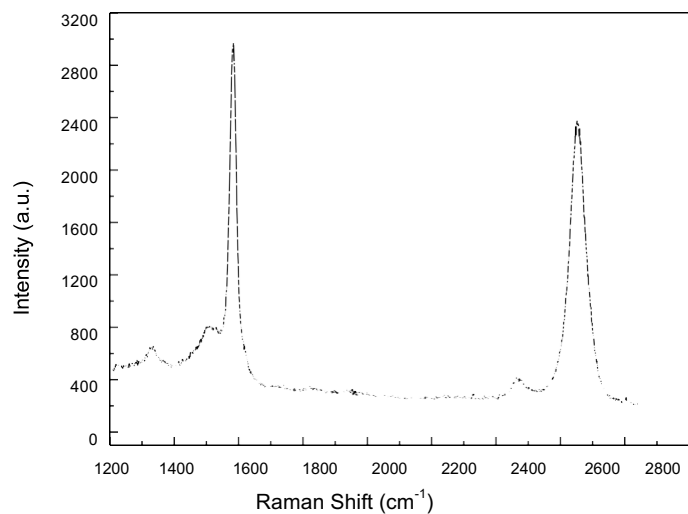
Typical TEM Image of ACS Material Trivial Transfer Graphene™ (Single Layer Graphene)



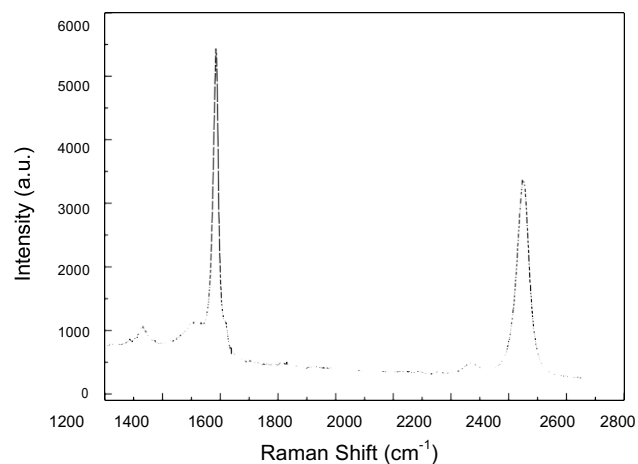
Typical Raman Spectrum of ACS Material Trivial Transfer Graphene™ (Single Layer Graphene)



Raman Spectra of ACS Material Trivial Transfer Graphene™ (Two Layer Graphene)



Raman Spectra of ACS Material Trivial Transfer Graphene™ (3~5 Layers Graphene)



Raman Spectra of ACS Material Trivial Transfer Graphene™ (6~8 Layers Graphene)

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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