



Technical Data Sheet

ACS Material Graphene Nanoplatelets (1-5 nm)

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Contact Information:

Manufacturer: ACS Material, LLC.

Address: 959 E Walnut St. Suite 100,
Pasadena, CA 91106

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

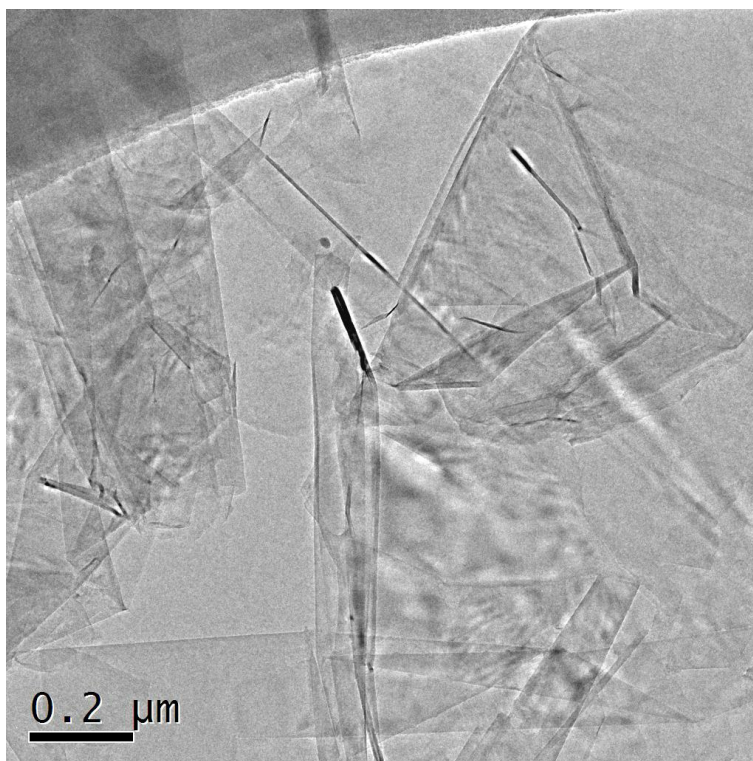
Revision: 012626

1. Preparation Method

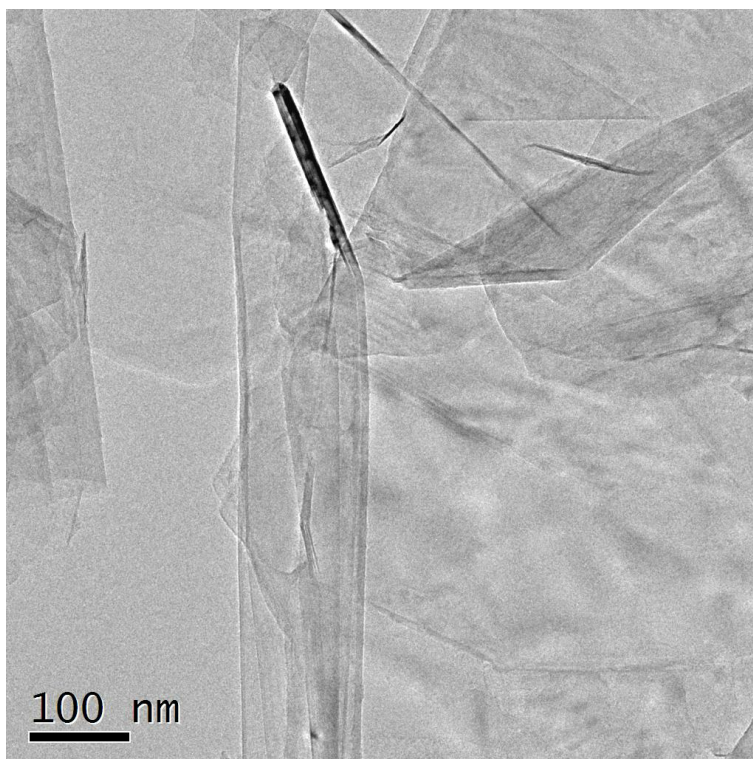
Ultrasonic exfoliation method

2. Characterizations

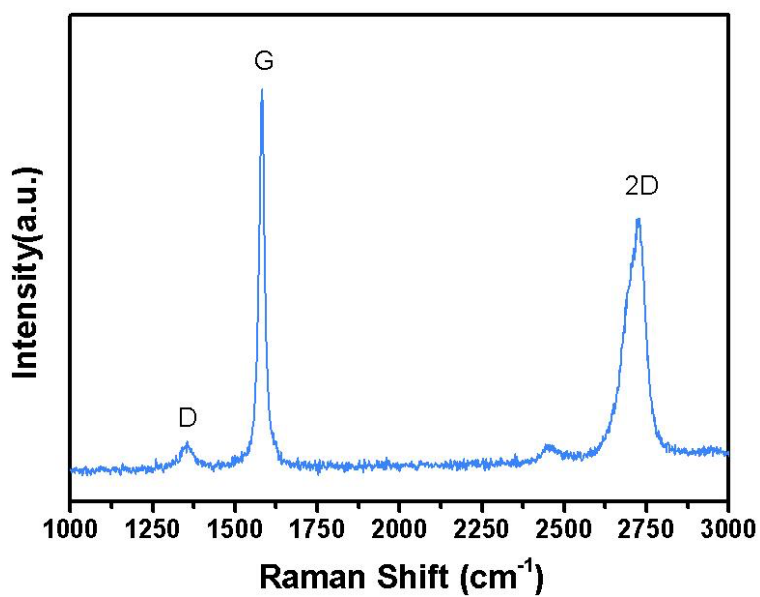
Thickness:	1-5 nm
Flake Diameter:	1-3 μm
Conductivity:	500-1000 S/cm
Purity:	~ 99 %



Typical TEM Image (1) of ACS Material Graphene Nanoplatelets (1-5nm)



Typical TEM Image (2) of ACS Material Graphene Nanoplatelets (1-5nm)



Raman Spectrum of ACS Material Graphene Nanoplatelets (1-5nm)

3. Application Fields

New energy battery, anti-static function, heat Elimination, mechanical strength enhancement, conductive composites, coating modifie, fundamental research of physics, electronic chip, antenna material, aeronautical and space technologies etc.

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