



## Technical Data Sheet

### ACS Material Graphene Nanoplatelets (1-2nm)

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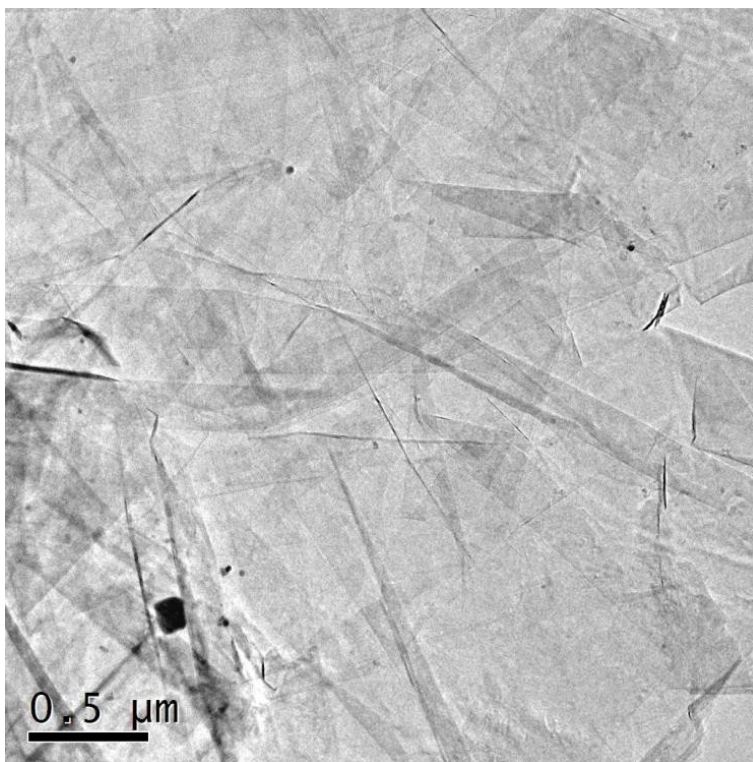
Revision: 012626

## 1. Preparation Method

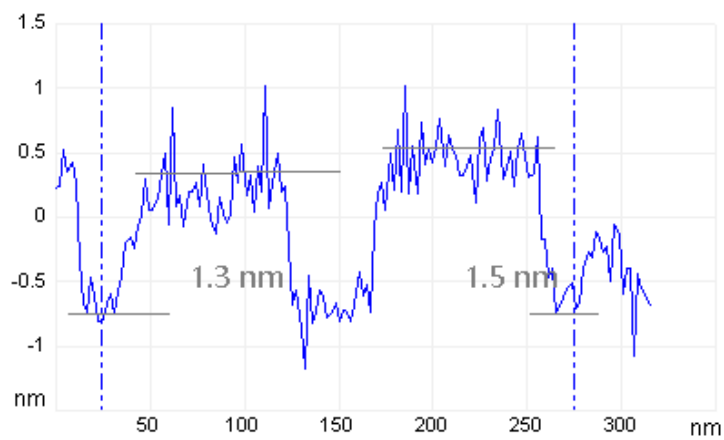
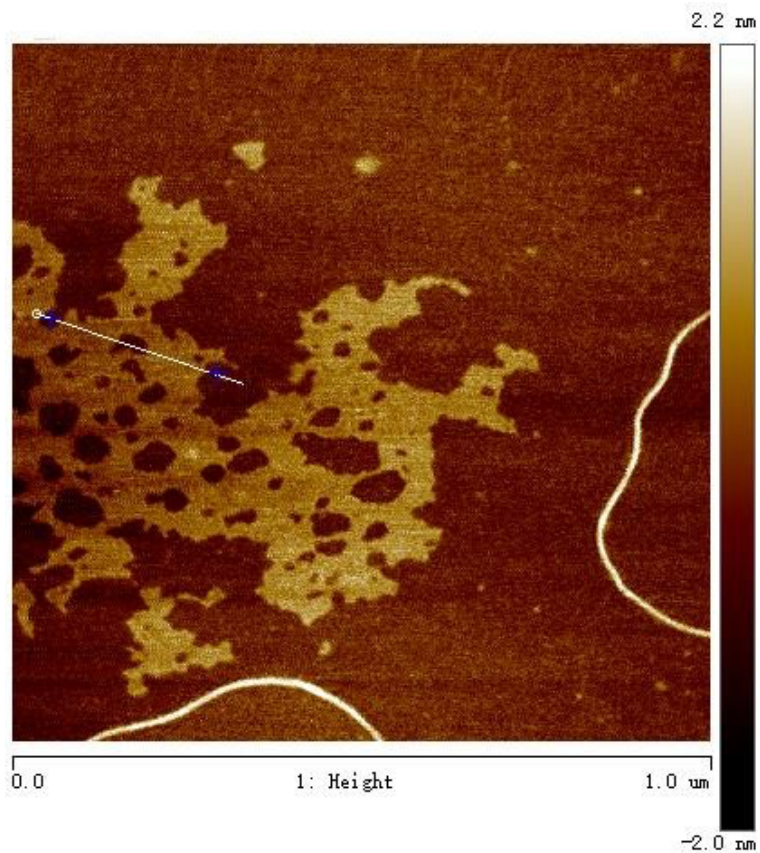
Ultrasonic Exfoliation Method

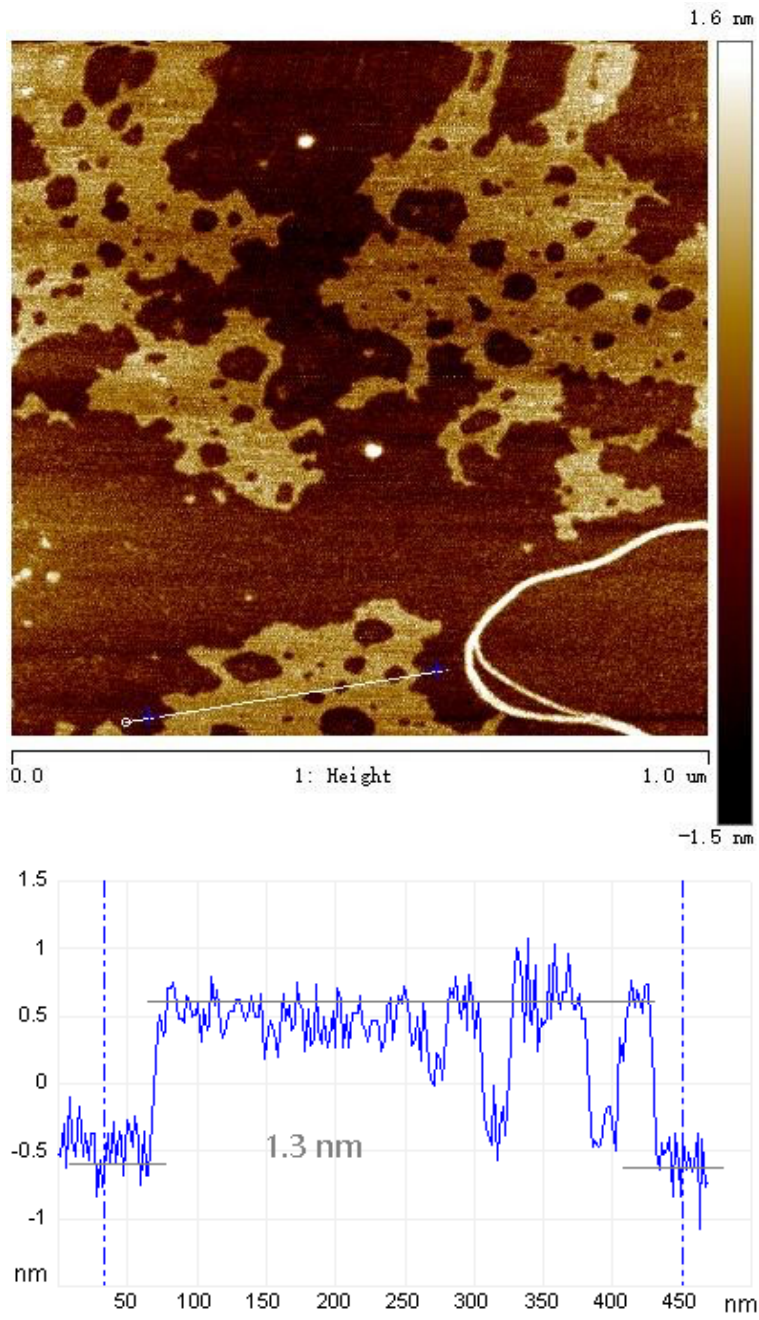
## 2. Characterizations

<b>Thickness:</b>	1-2 nm
<b>Flake diameter:</b>	2-3 $\mu\text{m}$
<b>Purity:</b>	$\sim 99\%$
<b>Electrical conductivity:</b>	400-1000 S/cm



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





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

### 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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