



## Technical Data Sheet

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

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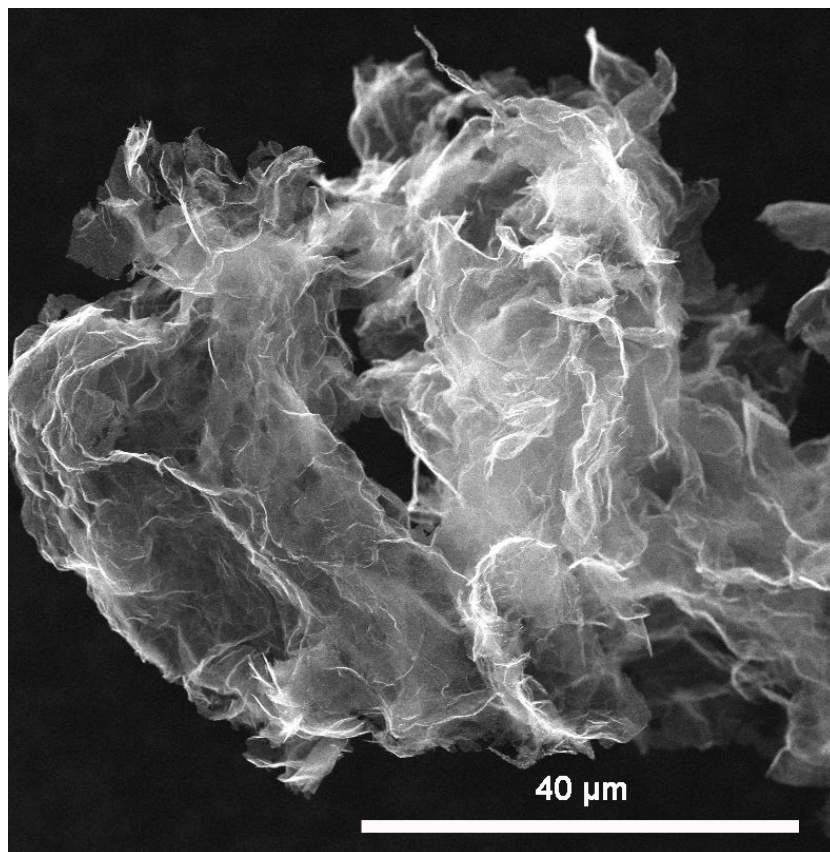
Revision: 030517

## 1. Preparation Method

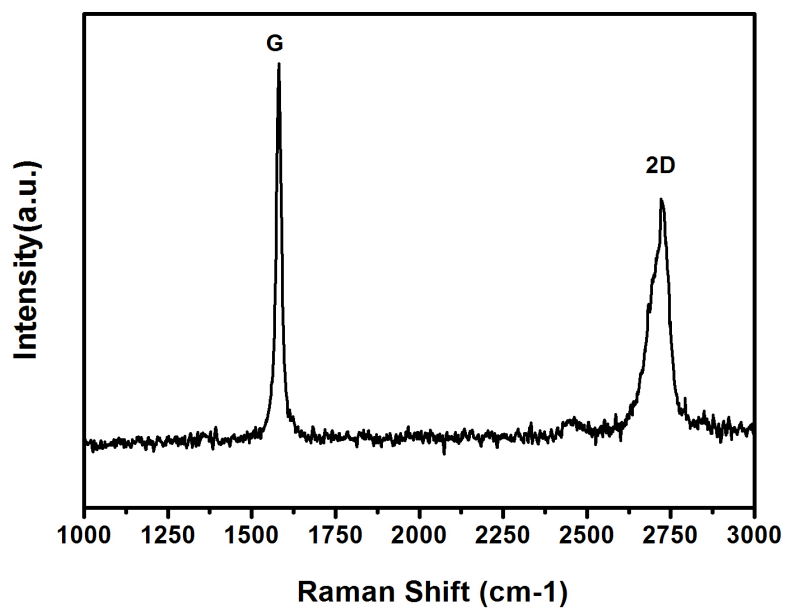
Interlayer catalytic cleavage method

## 2. Characterizations

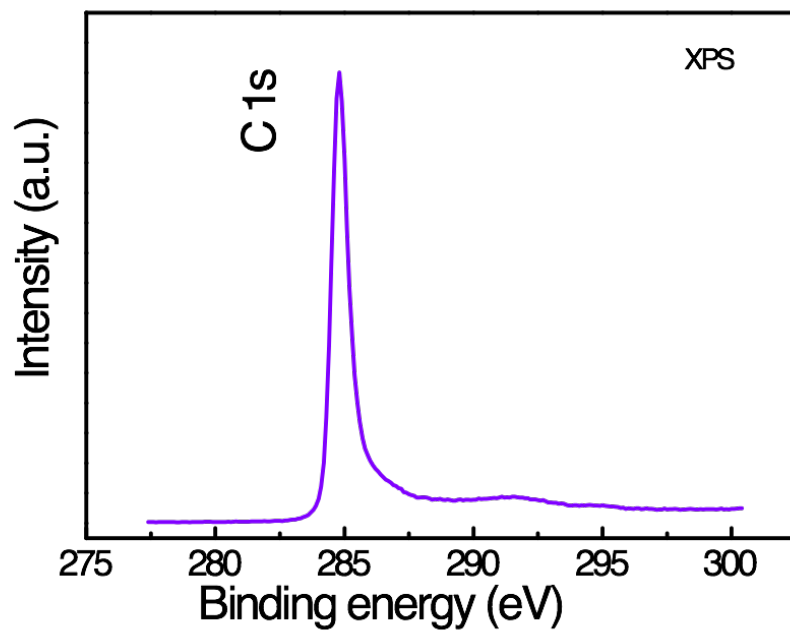
<b>Thickness:</b>	~2 nm
<b>Flake diameter:</b>	5-10 $\mu\text{m}$
<b>Purity:</b>	98%
<b>Oxygen content:</b>	1.44%
<b>Electrical conductivity:</b>	~ 2597 s/cm



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



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



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

### 3. Application Fields

Low oxygen, high conductivity. Can be used in electrical and thermal conductivity.

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