



Technical Data Sheet

ACS Material Graphite Oxide

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Contact Information:

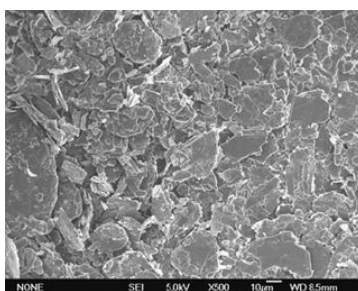
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Revision: 070717

1. Preparation Method

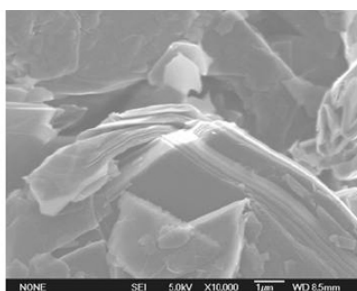
Modified Hummer's Method

2. Characterizations

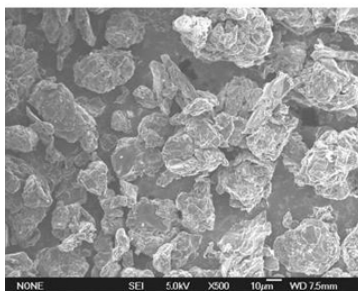
Thickness:	1-3 nm
Diameter:	0.5-5 μm



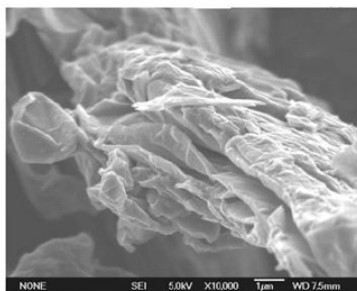
(a)



(b)

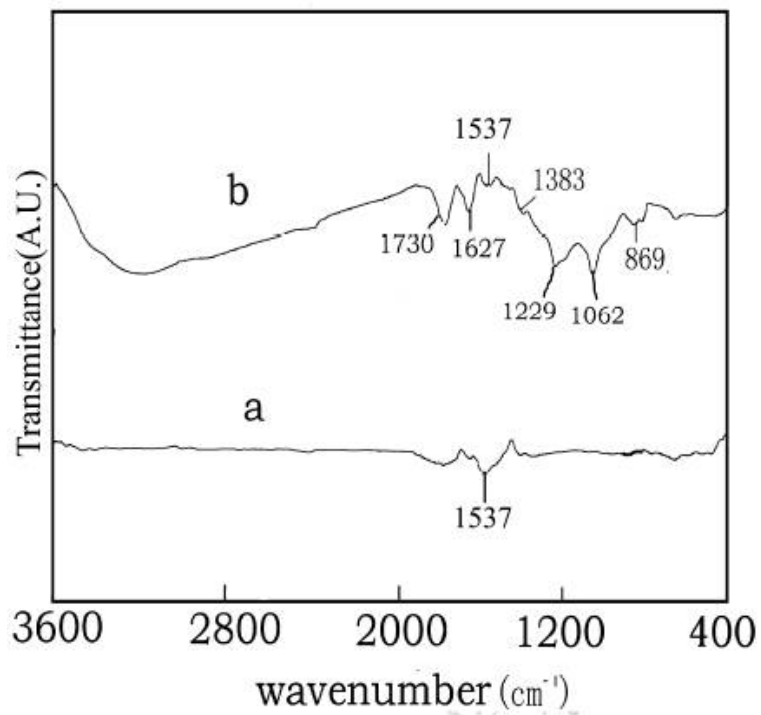


(c)

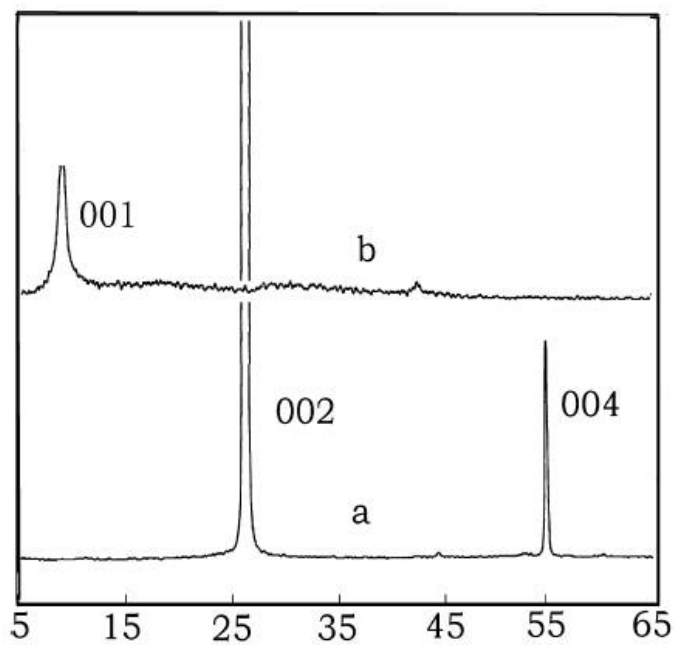


(d)

Typical SEM of ACS Material Graphite (a, b) and Graphite Oxide (c, d)



FT-IR of ACS Material Graphite (a) and Graphite Oxide (b)



XRD Analysis of ACS Material Graphite (a) and Graphite Oxide (b)

3. Application Fields

- 1) Preparation of graphene
- 2) Solar energy
- 3) Graphene semiconductor chips
- 4) Conductive graphene film
- 5) Graphene computer memory
- 6) Biomaterials
- 7) Transparent conductive coatings

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