



Technical Data Sheet

ACS Material High Density Graphene Oxide

CAS No.: 7782-42-5

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1. Preparation Method

Modified Hummer's Method

2. Characterizations

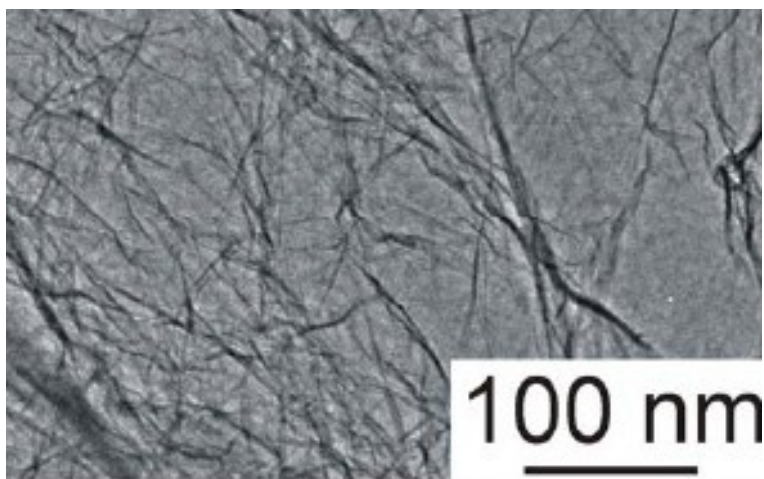
Type:	Type A
Appearance:	Brownish Yellow Powder
Purity:	~ 99%
Lateral size:	1-5 μm
Thickness:	0.8-1.2 nm
Monolayer Rate:	~ 99%
Carbon Content:	~51.26 wt.%
Oxygen Content:	~40.78 wt.%
Sulfur Content:	N/A
Density	~270g/L



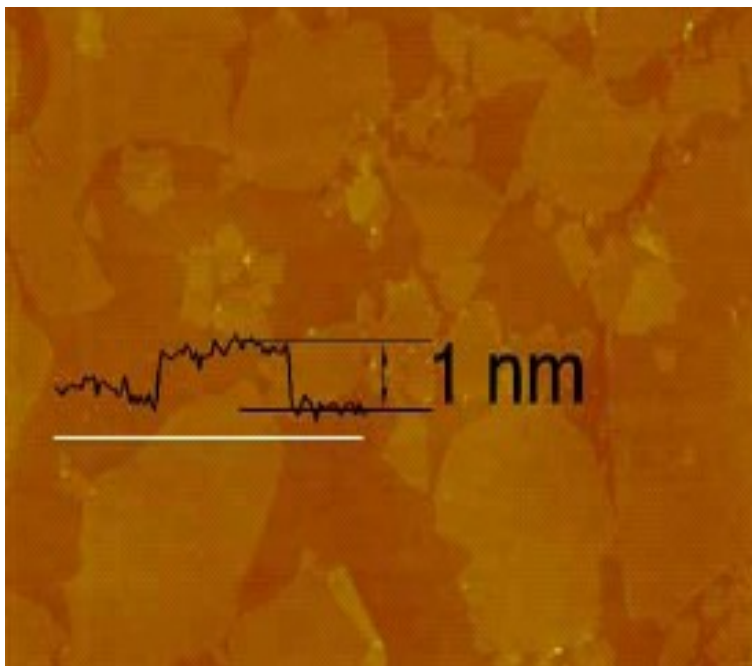
Digital Photo of ACS Material High Density Graphene Oxide (Type A)



Digital Photo of ACS Material High Density Graphene Oxide (Type B)



Typical TEM Image of ACS Material High Density Graphene Oxide (Type A)



AFM Analysis of ACS Material High Density Graphene Oxide (Type A)

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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