

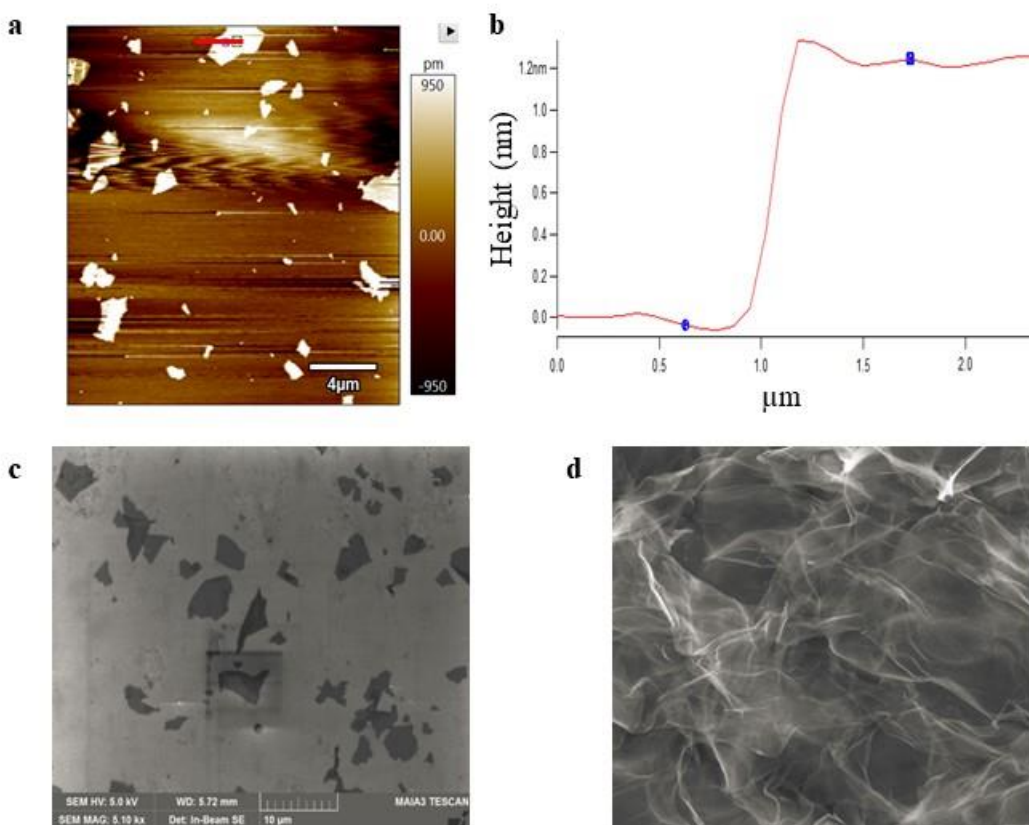
## Graphene Oxide Products

Prepared by modified Hummers method from flake graphite, the graphene oxide products have a high monolayer content, tunable sizes and high purity.

*Applications:* Supercapacitors, Adsorption Hydrogels, Catalyst Substrates, Conductive Adhesives for Lithium Ion Batteries, Corrosion Resistant Coatings and Thermal Conductors.

### MMGO001, Graphene Oxide Slurry

<b>Thickness (nm)</b>	0.8 – 1.4
<b>Monolayer content</b>	~ 100%
<b>Flake diameter (<math>\mu\text{m}</math>)</b>	0.5 – 7
<b>Oxygen content</b>	27%



**Figure 1. (a) Atomic force microscopy image of the MMGO001 product. (b) Height profile along the red line in (a). Scanning electron microscopy image of (c) the MMGO001 slurry and (d) the dried MMGO001.**

## Momentum Materials Solutions

### MMGO002, Graphene Oxide Slurry

<b>Thickness (nm)</b>	~ 1.4
<b>Monolayer content</b>	~ 100%
<b>Flake diameter (<math>\mu\text{m}</math>)</b>	1 – 15
<b>Oxygen content</b>	30.7%
<b>Thickness (nm)</b>	~ 1.4

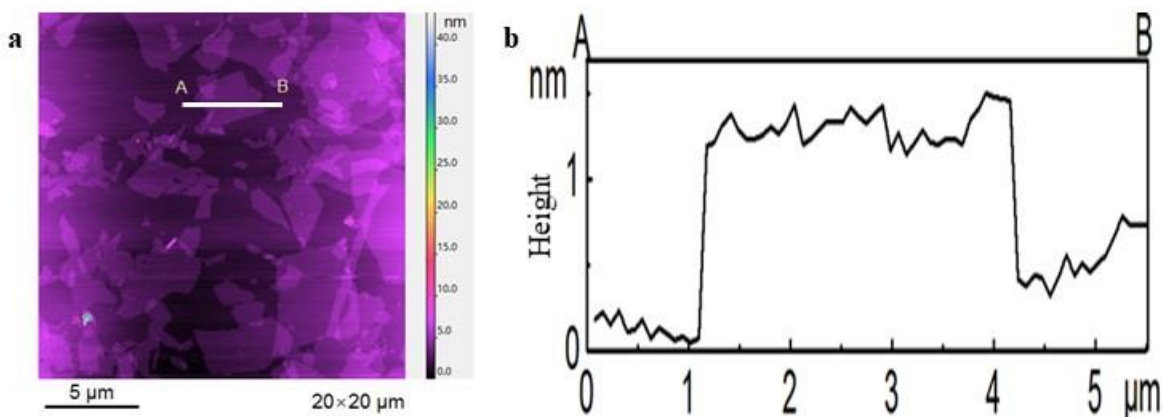
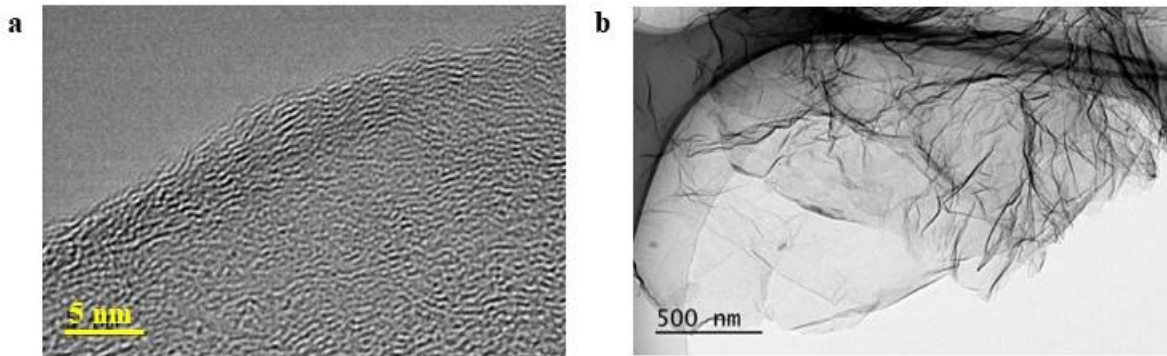


Figure 2. (a) Atomic force microscopy image of the type 2 graphene oxide slurry. (b) Height profile along the white line in (a).

## Momentum Materials Solutions

### MMGO003, Reduced Graphene Oxide Powder

<b>Thickness</b>	$\leq 3$ monolayer
<b>Flack diameter (<math>\mu\text{m}</math>)</b>	0.5-7
<b>Oxygen content (%)</b>	6.3
<b>Specific surface area (<math>\text{m}^2/\text{g}</math>)</b>	800



**Figure 3. (a) Transmission electron microscopy and (b) scanning electron microscopy images of the MMGO003 product.**