



Specifications

- High quality, high purity – confirmed with XPS, DLS, AFM, Raman
- Potential for scale-up (GO or rGO/graphene)
- Graphene oxide paper is easy to work with and store
- Readily soluble in water, polar solvents, with little to no agitation needed
- Monolayer graphene oxide sheets available (thickness ~1-1.2 nm)
- Flake area ranges between 180 – 1650 nm² (0.2 – 1.6 μm²)

Applications In:

- Surface functionalization for a wide range of uses
- Composite materials for improved elastic modulus, tensile strength, electrical conductivity and thermal stability
- Chemical/thermal reduction to graphene – electrical and thermal conductivity
- Application Sectors: Supercapacitors; Solar energy; Graphene semiconductor chips; Conductive graphene film; Graphene computer memory; Biomaterials; Conductive coatings

GLC+ Graphene Oxide



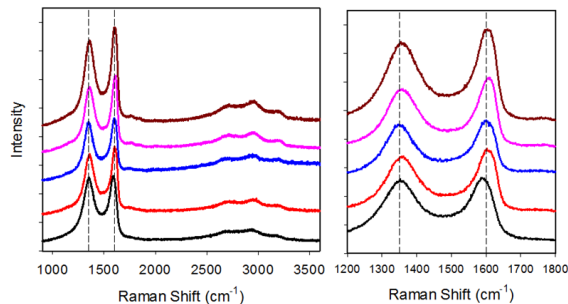
Product Specifications

Purity	~97%
Color	Brown
State	Solid or liquid dispersion
Flake thickness	~ 1-1.5 nm
Solubility	Polar solvents, water

Elemental Analysis (XPS)

% C	63.0 ± 1
% O	33.2 ± 0.6
% N	1.6 ± 0.4
% S	2.1 ± 0.5

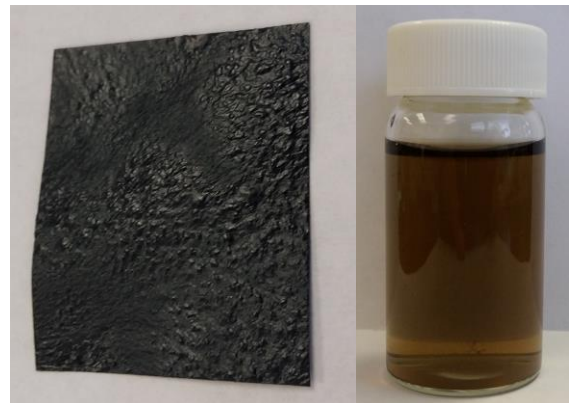
Raman Spectrum of 5 Different GLC+ Graphene Oxide Batches Demonstrating Repeatable Production Process



GLC+ GO Paper and Dispersion



Our product ships as an easy-to-handle paper in the gram quantity you require. Dispersing in water is simple; cut off the required amount, allow to swell in water and shake to disperse



Left: TEM Image, and Right: AFM image showing single layer graphene oxide flakes

