

Graphene Oxide (GO)

Properties

Form	Dispersion of graphene oxide sheets
Particle size	D90 29.05 – 32.9 μm
	D50 14.30 – 16.6 μm
	D10 5.90 – 6.63 μm
Color	Yellow–brown
Odor	Odorless
Dispersibility	Polar solvents
Solvents	Water
Concentra*on	4 mg/mL
pH	2,2–2,5
Monolayer content (measured in 0.5mg/mL)	>95%*

(*) 4mg/ml concentration tends to agglomerate the GO flakes and dilution followed by slight sonication is required in order to obtain a higher percentage of monolayer flakes

Elemental Analysis*

Carbon	49–56%
Hydrogen	0–1%
Nitrogen	0–1%
Sulfur	2–4%
Oxygen	41–50%

* Sample preparation: 2g of 4wt% GO in water were dried under vacuum at 60°C overnight.

