



## Product Datasheet

### Graphenea Graphene Oxide (GO)

#### Properties

Form	Dispersion of graphene oxide sheets
Particle size (SEM)*	D90 5-7 $\mu\text{m}$
	D50 2-4 $\mu\text{m}$
	D10 1-2 $\mu\text{m}$
Color	Yellow-brown
Odor	Odorless
Dispersibility	Polar solvents
Solvents	Water
Concentration	4 mg/mL
pH	2,2-2,5
Monolayer content (measured in 0.5mg/mL)	>95%**

(\*) This data was obtained by SEM image analysis.

(\*\*) 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	1-2%
Nitrogen	0-1%
Sulfur	2-3%
Oxygen	41-50%

(\*) Sample preparation: 2g of 0.4wt% GO in water were dried under vacuum at 60°C overnight.

