



## Product Datasheet

### Graphene Oxide Dispersion

#### in Deionised Water

#### Properties

Form	Dispersion of graphene oxide sheets
Particle size	D90 29.05 - 32.9 $\mu\text{m}$
	D50 14.30 - 16.6 $\mu\text{m}$
	D10 5.90 - 6.63 $\mu\text{m}$
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%*

(\* ) 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.

