

Graphenoil

Graphene Oxide Water Dispersion (.4 wt%)

Properties

Form	Dispersion of graphene oxide sheets
Particle size (SEM)*	< 10 μ 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%**

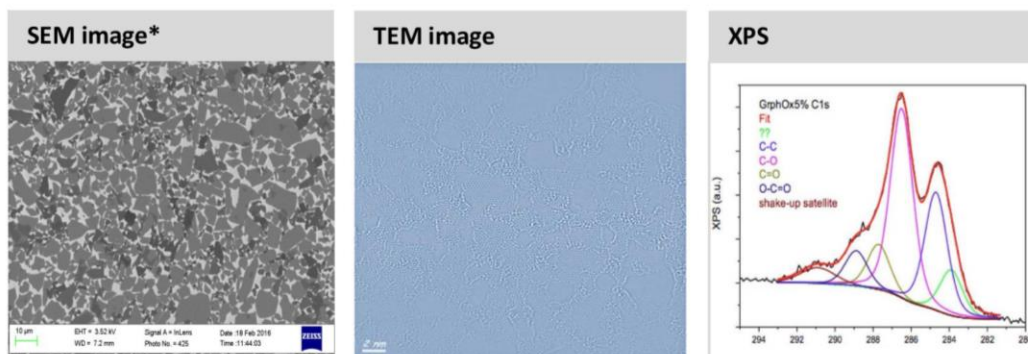
(*) This data was obtained by SEM image analysis.

(**) 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	2-4%
Oxygen	41-50%

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



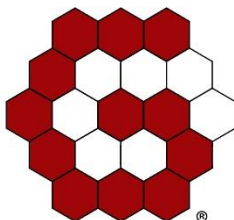
Description: Graphene Oxide Water Dispersion (.4 wt% concentration) is noted for its mechanical and thermal properties. The raw material – graphite – is chemically processed to obtain monolayer flakes of graphene oxide.

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