

Graphenoil

Graphene Oxide Water Dispersion (2.5 wt%)

Properties

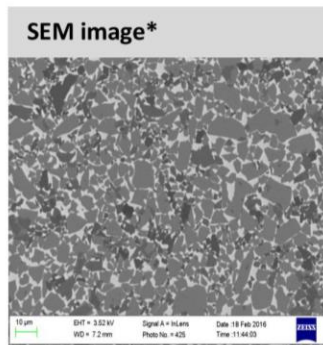
| | |
|------------------------------------|-------------------------|
| Form | Slurry |
| Particle size (laser diffraction)* | D90 29-33 μm |
| | D50 14-17 μm |
| | D10 6-7 μm |
| Color | Dark brown |
| Odor | Odorless |
| Dispersibility | Polar solvents |
| Concentration (wt%) | 2,5 |
| pH (4mg/mL dispersion) | 1,8-2,0 |

*This data corresponds to the slurry format. Please consider that particle size is reduced with a sonication treatment

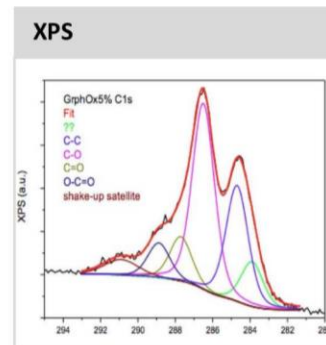
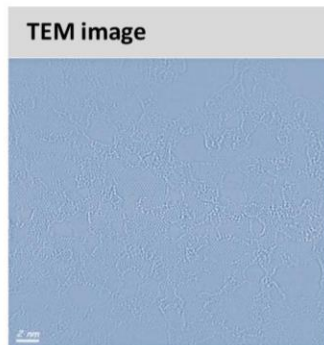
Elemental Analysis*

| | |
|----------|--------|
| 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.



*4mg/mL dispersion



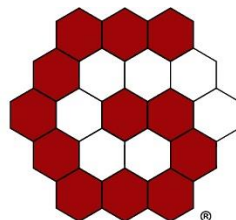
Description: Highly concentrated Graphene Oxide Water Dispersion allows the preparation of custom dispersions of different concentrations by just adding water and sonicating for 30 minutes.

Notes: The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof.

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