

Grat-eGO: High quality graphene oxide solution

About Grat-GO-eco™

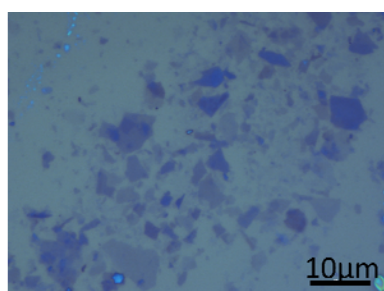
BGT Materials' Grat-eGO products consist of high quality, predominantly single-layer graphene oxide (GO) flakes which are prepared using a proprietary method, which is fully environmentally friendly. BGT Materials GO fabrication technique does not require the use of any dangerous or harmful chemicals, meaning the material can be produced on tonne scales with minimal environmental impact.

Features & Benefits

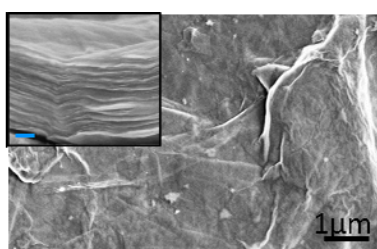
- Well-dispersed
- Ease of handling and processing
- Batch-to-batch product consistency

Technical Specs

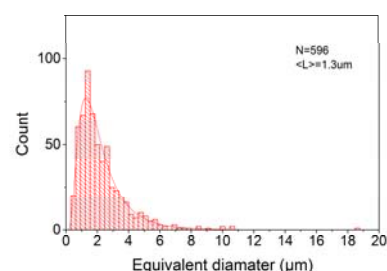
Product Analysis	
Concentration	Can be customized up to 3 mg/ml
Flake size	1.3 μm equivalent diameter
Flake thickness	75 % monolayers, 20 % bilayers, 5 % 3-5 layers.
Elemental analysis	70 % Carbon, 30 % Oxygen
pH value	6 - 7
Color	Brown to Black, depending on the concentration



Typical optical image on Si-SiO₂ substrate showing Grat-GO-eco flakes.



SEM images of a Grat-GO-eco membrane showing lamellar structure (inset scale bar 100nm).



Statistics of lateral dimensions showing an average of 1.3μm equivalent diameter radius.

SOLUTION CONCENTRATIONS CAN BE CUSTOMIZED TO YOUR IDEAL PRODUCT SPECIFICATIONS.

The statement, technical data and recommendations contained herein are based on our investigation and experience, and are believed to be accurate as of the date hereof. In view of the many factors that may affect processing and application of our product beyond our control, BGT Materials expressly disclaims all obligation and liability as to any results obtained or arising from any use of the product or reliance on such information. Neither do these data imply any warranty of certain properties, nor the suitability of the product for any particular purpose. The information provided herein relates only to the specific product designated and may not be applicable when such product is utilized in combination with other additives or in any process. The product should be stored in a cool, dry environment, away from direct sources of sunlight. Precipitation is normal after prolonged storage and does not influence product integrity. Re-dispersion may be required prior to use.