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Grat-eGO: High quality graphene oxide solution

About Grat-GO-eco™

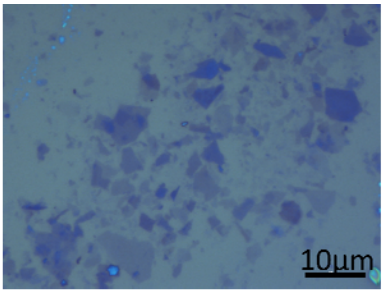
BGT Materials' Grat-eGO products consist of high quality, predominantly single-layer graphene oxide (GO) flakes which are prepared using a proprietary method, which is fully environmentally friendly. BGT Materials GO fabrication technique does not require the use of any dangerous or harmful chemicals,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

Features & Benefits

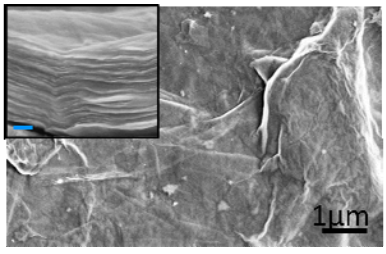
- Well-dispersed
- Ease of handling and processing
- Batch-to-batch product consistency

Technical Specs

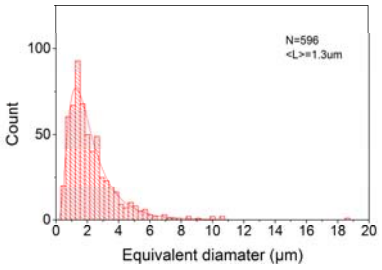
Product Analysis	
Concentration	Can be customized up to 3 mg/ml
Flake size	1.3 µm equivalent diameter
Flake thickness	75 % monolayers, 20 % bilayers, 5 % 3-5 layers.
Elemental analysis	70 % Carbon, 30 % Oxygen
pH value	6 - 7
Color	Brown to Black, depending on the concentration



Typical optical image on Si-SiO_2 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.