



**G-NOX**  
GRAPHENE OXIDE

# Product Data Sheet

**G-NOX Ultra Graphene Oxide**  
Aerogel

## **Contact Information**

**Manufacturer:** GNOX Inc.

**Address:** 945 Princess Street  
Kingston, ON, K7L 0E9, Canada

**Phone:** +1 (613) 900-4603

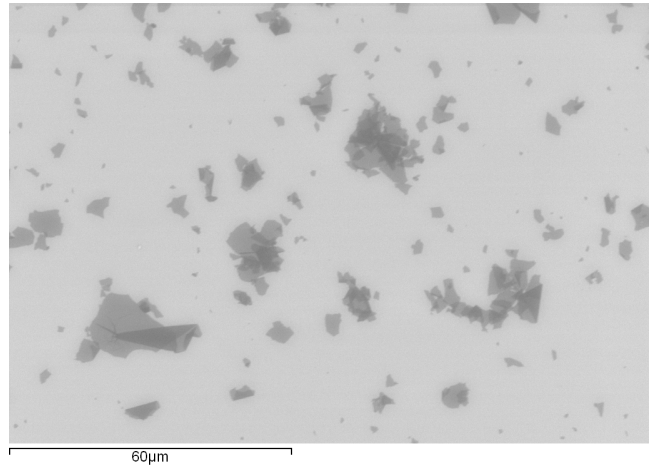
**Email:** [info@gnox.ca](mailto:info@gnox.ca)

**Website:** [www.gnox.ca](http://www.gnox.ca)

**Product:**  
**G-NOX Ultra Graphene Oxide**  
**Aerogel**

**Physical Form:** Aerogel  
**Colour:** Dark Brown  
**Odor:** Odorless

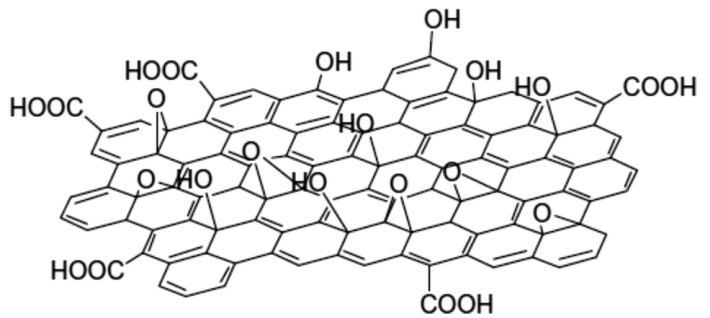
**Flake Size:** 1-10 Microns  
**Thickness:** >99% monolayer (\*)



SEM image, 2000x magnification of Ultra Graphene Oxide Flakes

**Visual Representation of Graphene Oxide:**  
**Product Description:**

G-NOX ultra graphene oxide (GO) aerogel solid with long shelf life, can easily be transported. Key applications are adsorbents for water treatment, insulating materials, support for metal catalysts etc. It can re-dispersible in both aqueous and organic solvents. To achieve extremely pure monolayer content, it is recommended that the user conduct a sonication step after re-dispersion into solvent (\*).



**Elemental Analysis:**

**Carbon:** 66-68%  
**Oxygen:** 31-34%  
**Nitrogen:** <0.5%  
**Sulfur:** <0.1%

**Chemical Bond Information:**

**C=O (Carbonyl) Content:** <6%  
**C-O Content:** >70%  
**C-C Content:** ~24%

Etch Time: 0 s  
 Pass Energy: 20 eV Energy Step: 0.100 eV  
 Total Acq. Time: 11 mins 3.000 s (300.0 ms x 10 x 221)  
 Acquired On: 18/10/17 21:41:45  
 Source: Almono  
 Instrument: Kratos Axis NOVA

**XPS Analysis**

