

**PRODUCT NAME** rGO-V50  
**DESCRIPTION** Chemically Synthesized Reduced Graphene Oxide

## ITEMS

## PROPERTIES

**Appearance**

Black Fluffy Light Powder

**Specific Surface Area** *(by Brunauer-Emmet-Teller)*

600 - 900 m<sup>2</sup>/g

### Elemental Analysis Data

Carbon Content  $\geq 80 \%$

Oxygen Content  $\leq 15 \%$

Hydrogen Content  $\leq 1 \%$

Sulfur Content  $\leq 3 \%$

Nitrogen Content  $\leq 1 \%$

### Particle Size Analysis

Range : 37 – 162  $\mu\text{m}$

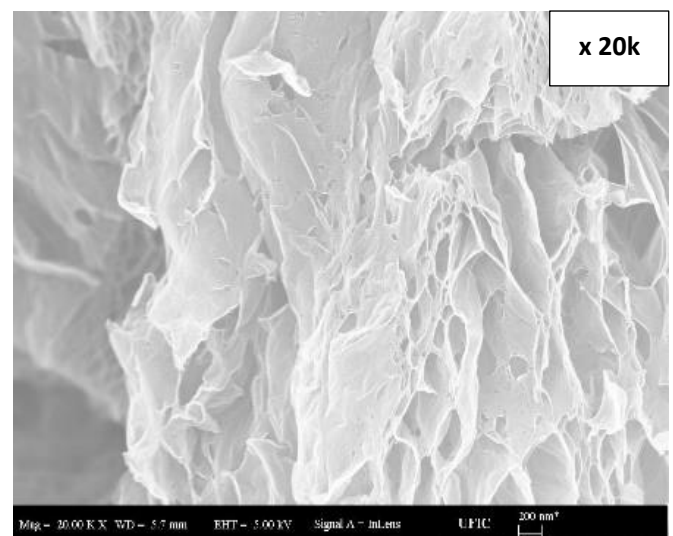
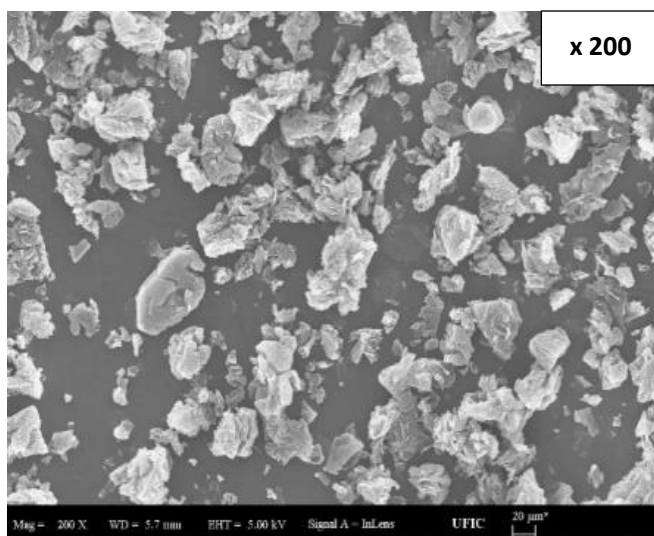
*(by Laser Diffraction)*

D<sub>50</sub> : 87  $\mu\text{m}$

### Thickness *(by Atomic Force Microscopy)*

2.0 – 2.4 nm

### Particle Image *(by Scanning Electron Microscopy)*



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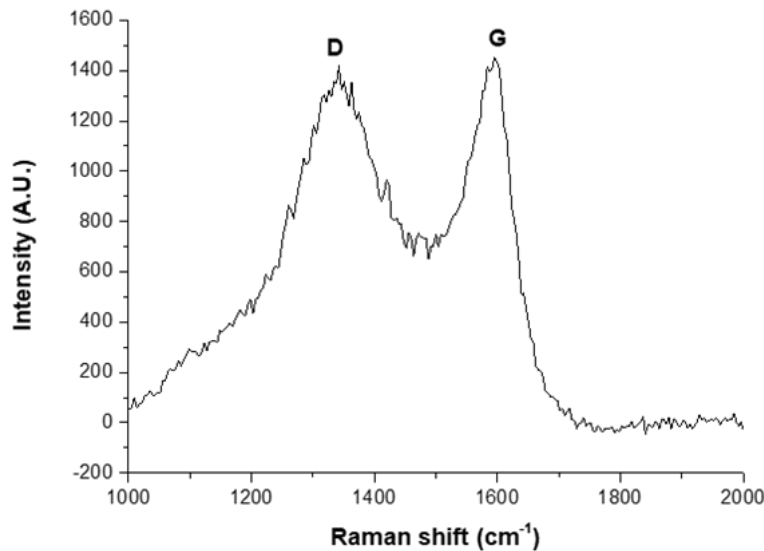
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**D/G Ratio** (by Raman Spectroscopy)

0.99



**Functional Group Scanning** (by X-ray Photoelectron Spectroscopy)

