



## Technical Data Sheet

# ACS Material Graphene Aerogel/N-Doped Graphene Aerogel

### Table of Contents

---

1 – Preparation Method

2 – Characterizations

3 – Application Fields

---

#### **Contact Information:**

Manufacturer: ACS Material, LLC.

Address: 959 E Walnut St., Suite 100,

Pasadena, CA 91106, USA

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: [contact@acsmaterial.com](mailto:contact@acsmaterial.com)

Revision: 110819

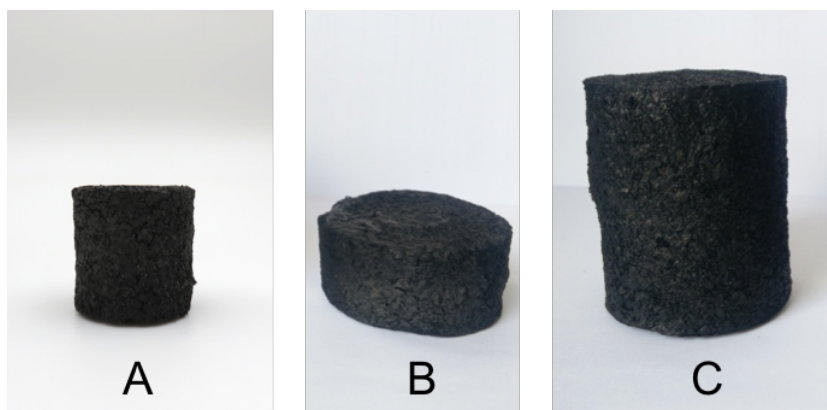
## 1. Preparation Method

Hydrothermal Method

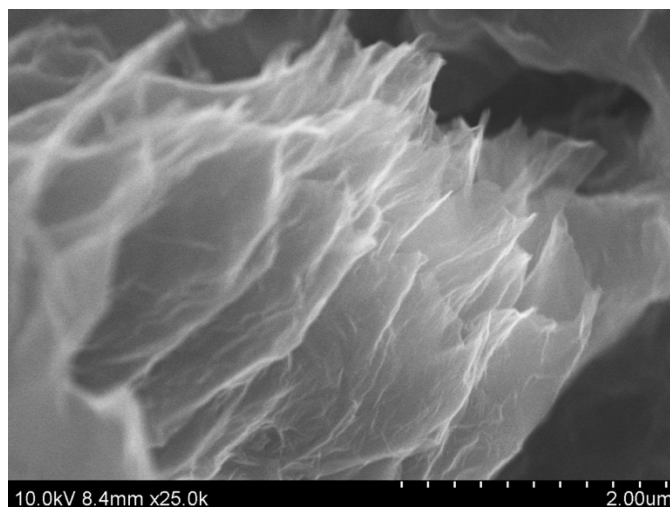
## 2. Characterizations

	Type A	Type B	Type C	Type A (N-doped)	Type B (N-doped)	Type C (N-doped)
<b>Appearance:</b>	Black Cylindrical	Black Cylindrical	Black Cylindrical	Black Cylindrical	Black Cylindrical	Black Cylindrical
<b>Ave Size* (cm):</b>						
<b>H (Height),</b>	H: ~2.8	H: ~3.0	H: ~5.6	H: ~2.8	H: ~3.0	H: ~5.6
<b>D (Diameter)</b>	D: ~2.7	D: ~5.0	D: ~5.0	D: ~2.7	D: ~5.0	D: ~5.0
<b>Purity:</b>	>99%	>99%	>99%	>99%	>99%	>99%
<b>N (wt. %):</b>	--	--	--	0.2	0.2	0.2

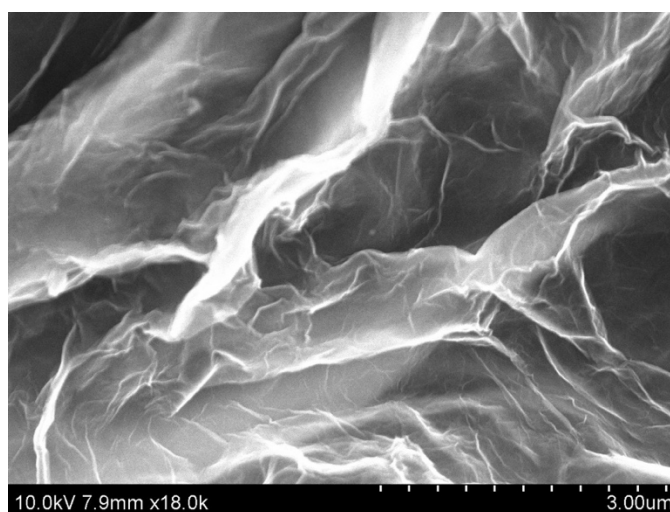
*\*Note: Each piece is unique, and the information in the table is for reference only. The actual size, density and weight may vary.*



Product Image of ACS Material Graphene Aerogel/N-Doped Graphene Aerogel



Typical SEM Image of ACS Material Graphene Aerogel/N-doped Graphene Aerogel (1)



Typical SEM Image of ACS Material Graphene Aerogel/N-doped Graphene Aerogel (2)

### 3. Application Fields

- 1) Energy storage materials
- 2) Sensors
- 3) Supercapacitors
- 4) Absorption of oil and organic pollutants

**Disclaimer:** ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.