



## Technical Data Sheet

# ACS Material Ordered Mesoporous Carbon CMK-8

### 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)

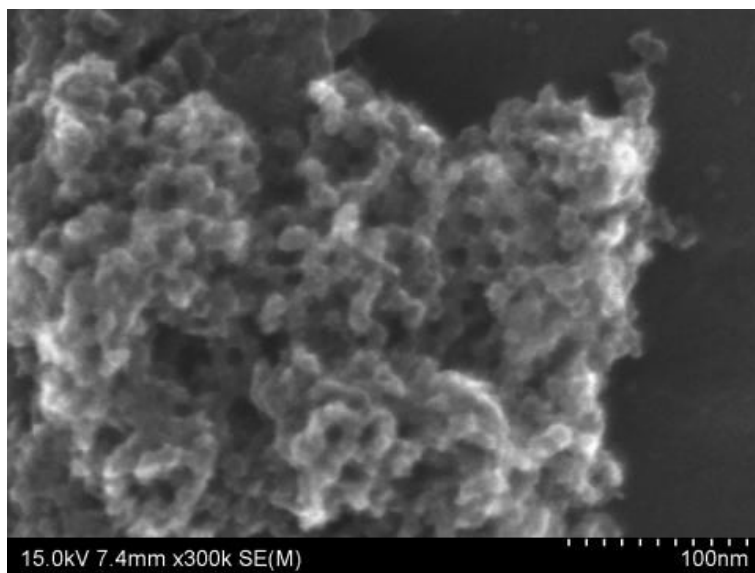
Revision: 070117

## 1. Preparation Method

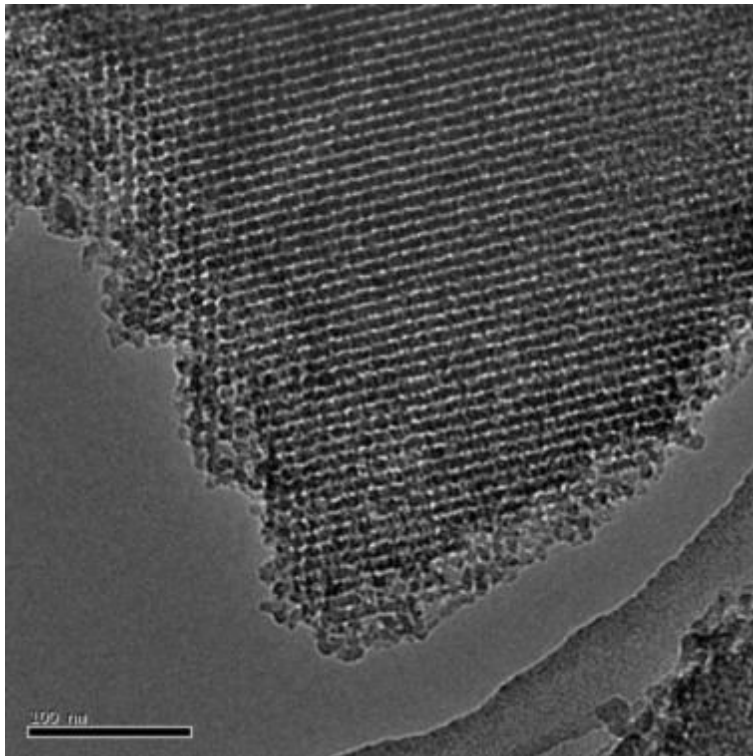
Synthesized by using cubic Ia3d mesoporous KIT-6 silica as the hard template

## 2. Characterizations

<b>Phase:</b>	Ia3d
<b>Size (<math>\mu\text{m}</math>):</b>	0.5~5
<b>Special Surface Area (<math>\text{m}^2/\text{g}</math>):</b>	~720
<b>Pore diameter (nm):</b>	3.2
<b>Total Pore volume (<math>\text{cm}^3/\text{g}</math>):</b>	1.10
<b>Micropore volume (<math>\text{cm}^3/\text{g}</math>):</b>	0.02



Typical SEM Image of ACS Material Ordered Mesoporous Carbon CMK-8



Typical TEM Image of ACS Material Ordered Mesoporous Carbon CMK-8

### 3. Application Fields

- 1) Analytical chemistry applications
- 2) Environmental applications
- 3) Medical applications
- 4) Fuel storage
- 5) Supercapacitors
- 6) Gas purification
- 7) Chemical purification
- 8) Distilled alcoholic beverage purification
- 9) Mercury scrubbing

**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.