Technical Data Sheet

ACS Material Ordered Mesoporous Carbon CMK-8

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Revision: 070117
1. Preparation Method
Synthesized by using cubic Ia3d mesoporous KIT-6 silica as the hard template

2. Characterizations

<table>
<thead>
<tr>
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<th>Ia3d</th>
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</thead>
<tbody>
<tr>
<td>Phase:</td>
<td>Ia3d</td>
</tr>
<tr>
<td>Size (µm):</td>
<td>0.5–5</td>
</tr>
<tr>
<td>Special Surface Area (m²/g):</td>
<td>~720</td>
</tr>
<tr>
<td>Pore diameter (nm):</td>
<td>3.2</td>
</tr>
<tr>
<td>Total Pore volume (cm³/g):</td>
<td>1.10</td>
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<tr>
<td>Micropore volume (cm³/g):</td>
<td>0.02</td>
</tr>
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</table>

Typical SEM 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

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