Technical Data Sheet

ACS Material Mesoporous Silica Molecular Sieve KIT-6

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Revision: 050117
1. Preparation Method
Hydrothermal Method

2. Characterizations

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<tbody>
<tr>
<td>Appearance:</td>
<td>Powder</td>
</tr>
<tr>
<td>Phase:</td>
<td>Cubic $Ia3d$ silica</td>
</tr>
<tr>
<td>Average Pore Diameter (nm):</td>
<td>6.2</td>
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<tr>
<td>BET surface area (m$^2$/g):</td>
<td>600–800</td>
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<tr>
<td>Na$_2$O (%):</td>
<td>$\leq 0.1$</td>
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<tr>
<td>Comparative Crystallinity (%):</td>
<td>$\geq 90$</td>
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Typical TEM Image of ACS Material Mesoporous Silica Molecular Sieve KIT-6
3. Application Fields

1) Catalyst carrier
2) As a templating agent
3) Separation of biochemicals

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