Technical Data Sheet

ACS Material Zeolitic Imidazolate Framework-67 (ZIF-67)

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Revision: 083017
1. Preparation Method

Type A: Solvent Thermal Method
Type B: Solvent Thermal Method + Dried at 150°C for 8 hrs

2. Characterizations

<table>
<thead>
<tr>
<th>Type:</th>
<th>Type A</th>
<th>Type B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form:</td>
<td>Metal Organic Frameworks (MOFs)</td>
<td>Metal Organic Frameworks (MOFs)</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Purple Powder</td>
<td>Purple Powder</td>
</tr>
<tr>
<td>Particle size:</td>
<td>150-400 nm</td>
<td>1.7 um</td>
</tr>
<tr>
<td>BET surface area (m²/g) (References):</td>
<td>~316</td>
<td>~233</td>
</tr>
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</table>

Typical SEM Image of ACS Material ZIF-67 (Type A)
Typical SEM Image of ACS Material ZIF-67 (Type A)

Typical SEM Image of ACS Material ZIF-67 (Type B)
3. Application Fields
1) Metal-organic framework film
2) Gas storage
3) Gas purification and separation
4) Catalysts
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