Technical Data Sheet

ACS Material MIL-101(Fe)

1 – Preparation Method
2 – Characterizations
3 – Applications

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1. Preparation Method

Solvothermal method

2. Characterizations

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Light brown powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average diameter</td>
<td>300-600nm</td>
</tr>
<tr>
<td>Specific surface area</td>
<td>400-600 m$^2$/g</td>
</tr>
<tr>
<td>Porous diameter</td>
<td>0.47-2.9nm</td>
</tr>
<tr>
<td>Composition</td>
<td>Fe$^{2+}$, C8H5O4-</td>
</tr>
</tbody>
</table>

Typical TEM Image of ACS Material MIL-101(Fe)
3. Applications
Gas Storage, Adsorption Separation, Ion Exchange, Membrane Separation, Catalysis, Magnetic Materials, Optical Materials, Sensors, Drug Delivery, Biomedical Imaging, Molecular Recognition, Electrochemistry (Supercapacitors, Batteries, Fuel Cells) etc.

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