



Technical Data Sheet

ACS Material MIL-101(Fe)

1 – Preparation Method

2 – Characterizations

3 – Applications

Contact Information:

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

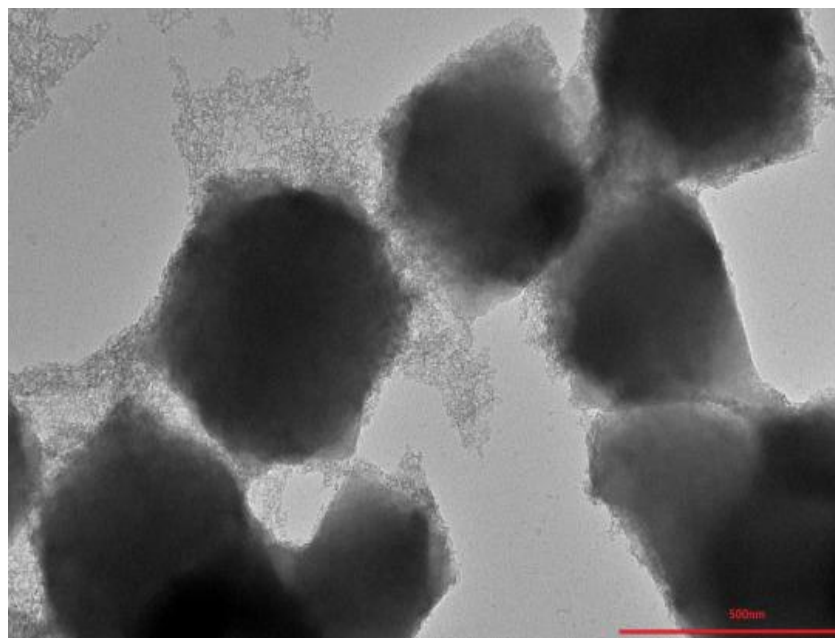
Revision: 02262021

1. Preparation Method

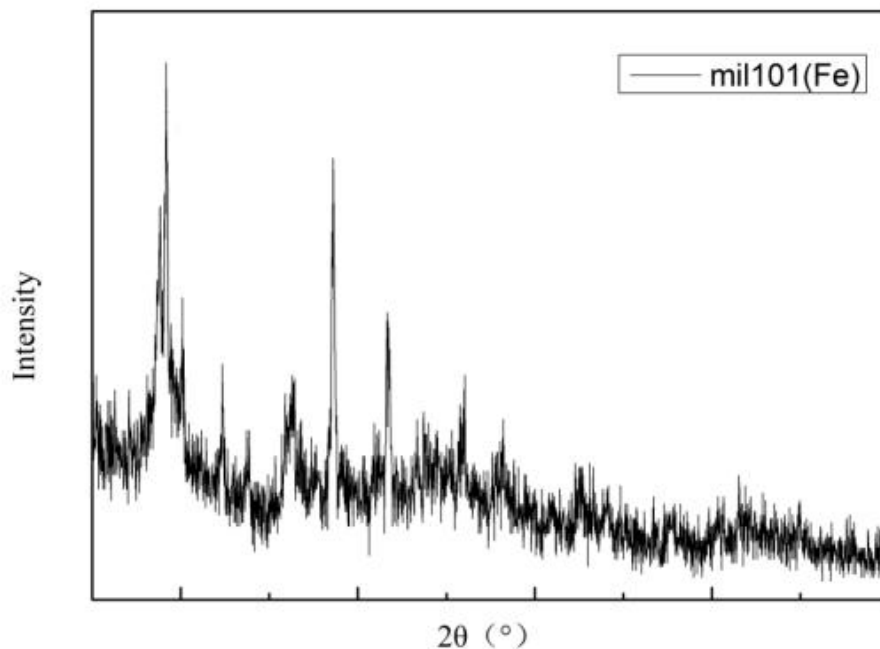
Solvothermal method

2. Characterizations

| | |
|------------------------------|---|
| Appearance | Light brown powder |
| Average diameter | 300-600nm |
| Specific surface area | 400-600 m ² /g |
| Porous diameter | 0.47-2.9nm |
| Composition | Fe ²⁺ , C ₈ H ₅ O ₄ - |



Typical TEM Image of ACS Material MIL-101(Fe)



XRD Pattern 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.

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.