



## Technical Data Sheet

### ACS Material ZSM-22

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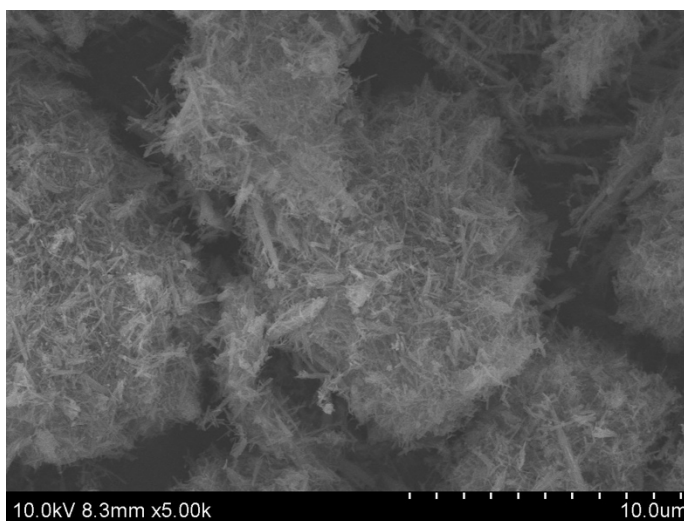
Revision: 030217

## 1. Preparation Method

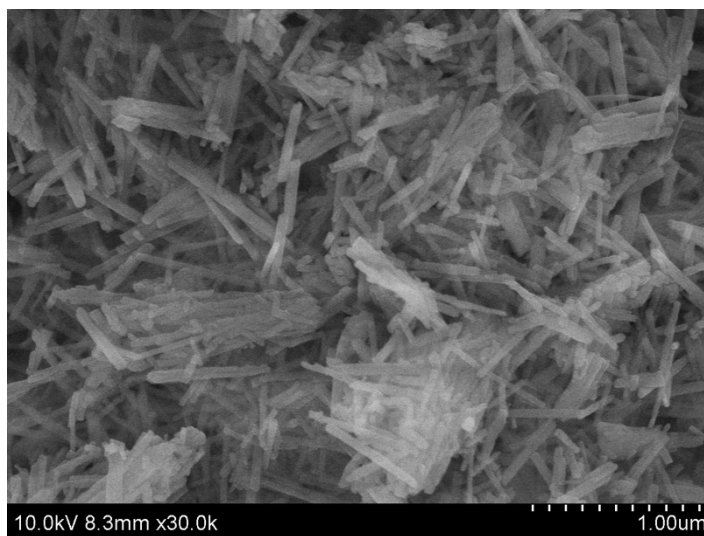
Hydrothermal Synthesis Method

## 2. Characterizations

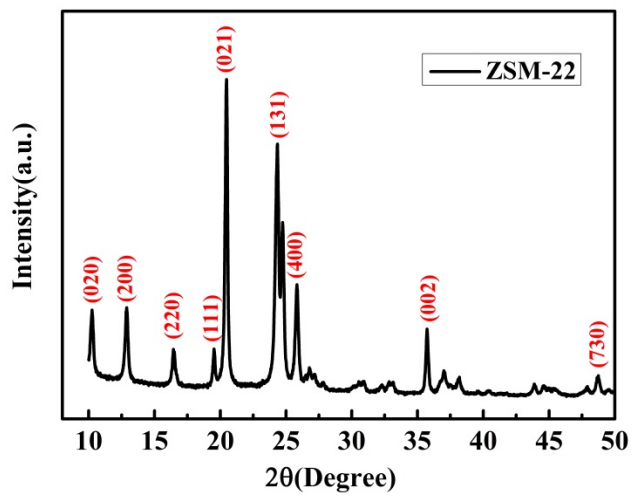
|   |                                     |
|---|-------------------------------------|
| <b>Cation:</b>  | H <sup>+</sup>                      |
| <b>SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> Molar Ratio:</b> | 65-80                               |
| <b>BET Surface Area:</b>  | >180 m <sup>2</sup> /g              |
| <b>Form:</b>  | Powder, Single crystals needle form |
| <b>Comparative Crystallinity:</b>                               | >95%                                |
| <b>Na<sub>2</sub>O:</b>   | <500 ppm                            |



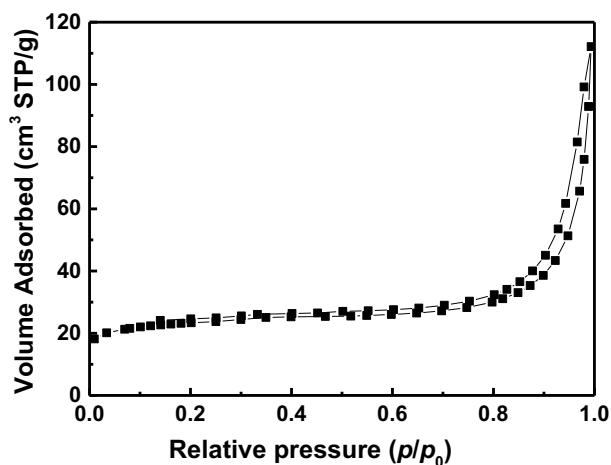
Typical SEM Image of ACS Material ZSM-22



Typical SEM Image of ACS Material ZSM-22



Typical XRD of ACS Material ZSM-22



Typical BET Analysis of ACS Material ZSM-22

### 3. Application Fields

- 1) Catalyst
- 2) Paraffin Isomerization

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