



Technical Data Sheet

ACS Material Mesoporous Silica Molecular Sieve SBA-15

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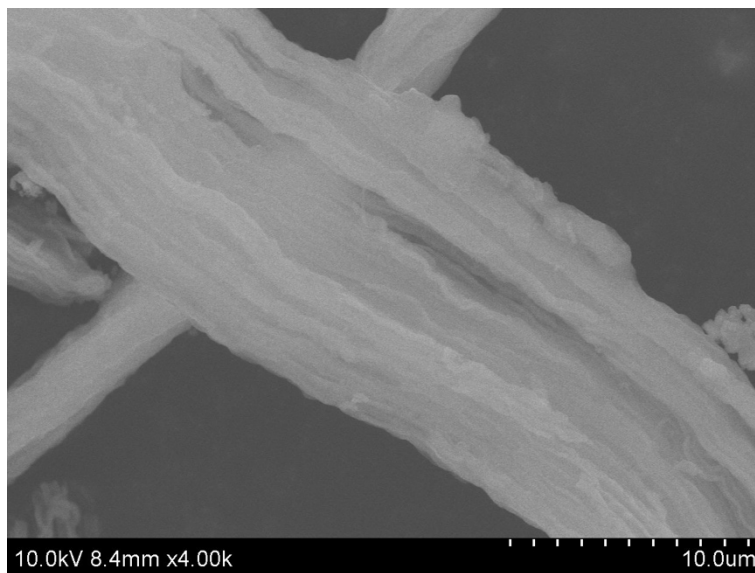
Revision: 091218

1. Preparation Method

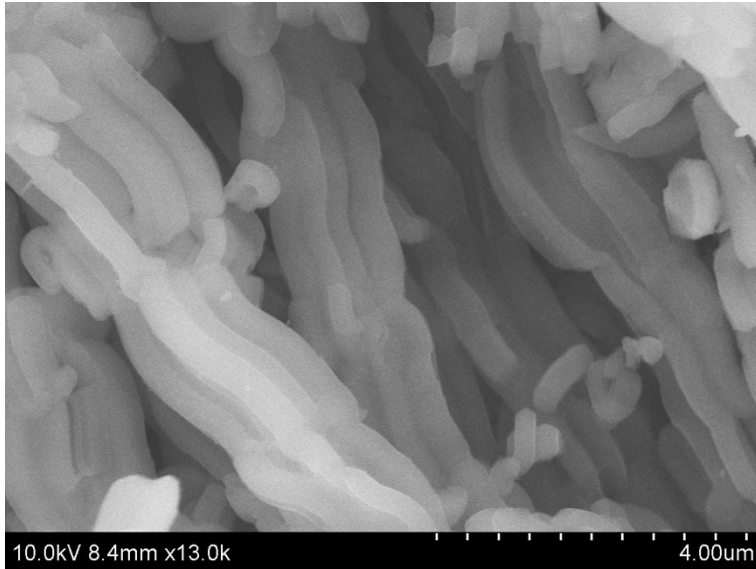
Hydrothermal Method

2. Characterizations

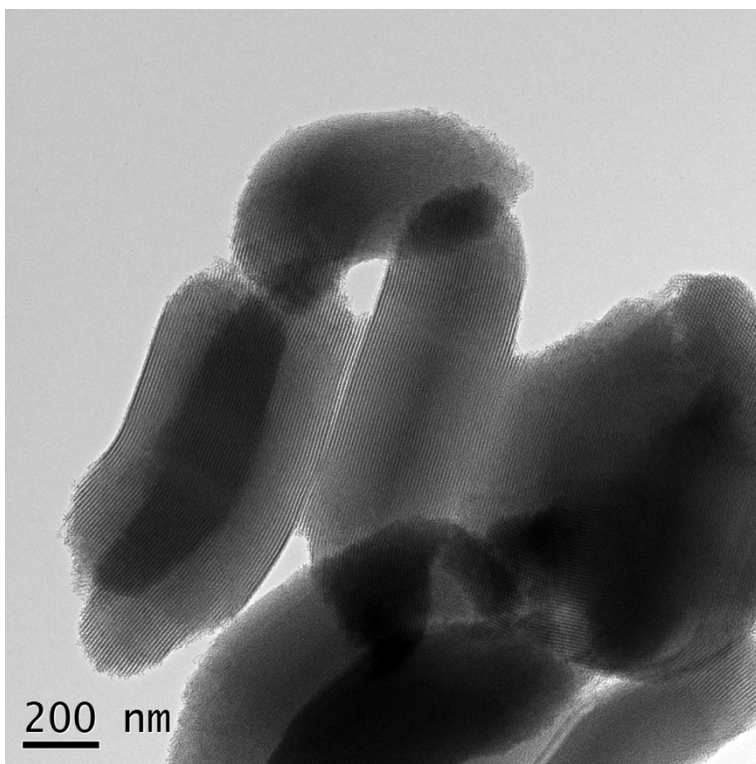
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|---|--------------|
| Appearance: | White Powder |
| Particle Size (μm): | 1~4 |
| Pore Diameter (nm): | 6~11 |
| Pore Volume (cm^3/g): | 1.46 |
| BET surface area (m^2/g): | ≥ 550 |
| Na_2O (%): | ≤ 0.1 |
| Comparative Crystallinity (%): | ≥ 90 |
| Bulk Density (g/cm^3) | 0.067 |
| Tap Density (g/cm^3) | 0.145 |



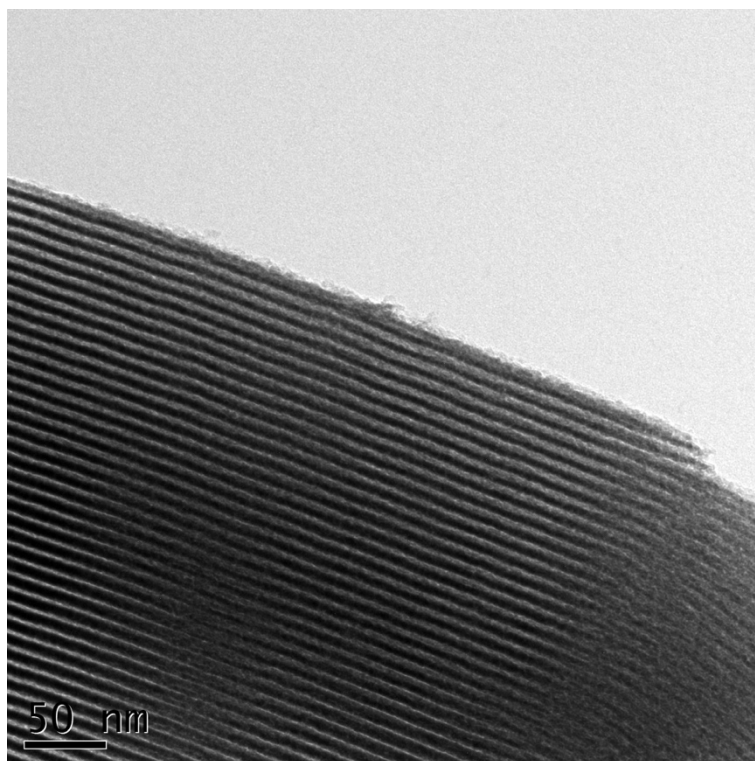
Typical SEM Image (01) of ACS Material Mesoporous Silica Molecular Sieve SBA-15



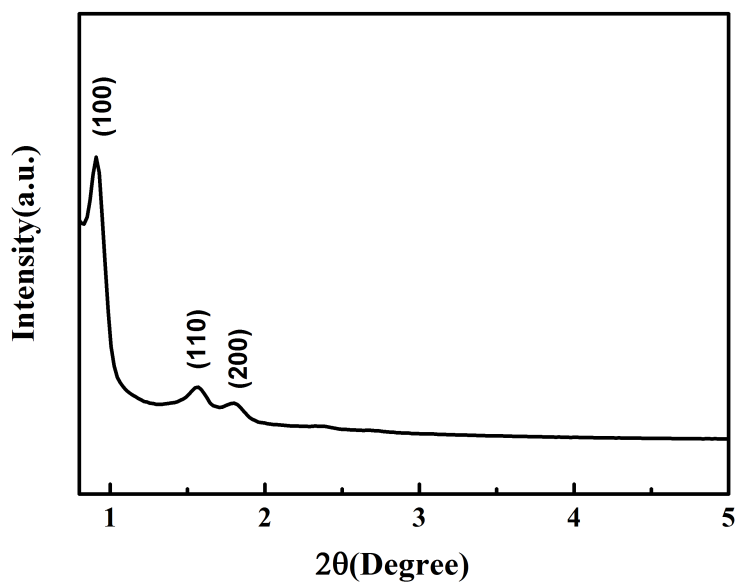
Typical SEM Image (02) of ACS Material Mesoporous Silica Molecular Sieve SBA-15



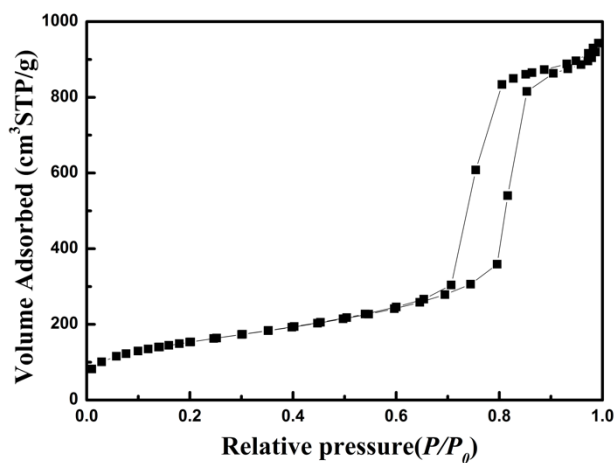
Typical TEM Image (01) of ACS Material Mesoporous Silica Molecular Sieve SBA-15



Typical TEM Image (02) of ACS Material Mesoporous Silica Molecular Sieve SBA-15



Typical XRD Analysis of ACS Material Mesoporous Silica Molecular Sieve SBA-15



Typical BET Analysis of ACS Material Mesoporous Silica Molecular Sieve SBA-15

3. Application Fields

- 1) Catalyst carrier
- 2) As a templating agent
- 3) Nanomaterials

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