



Technical Data Sheet

ACS Material MCM-41
(Type A and Type B)

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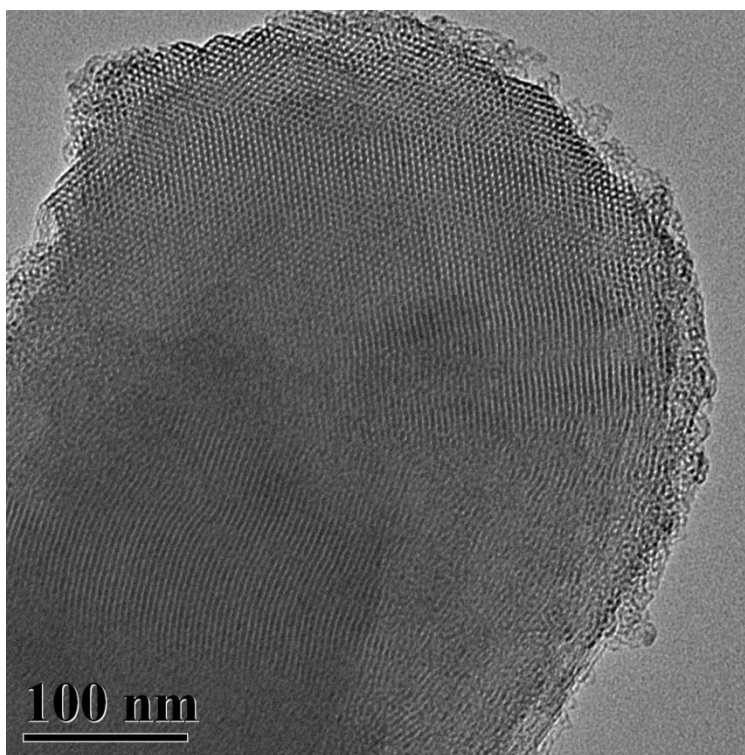
Revision: 041717

1. Preparation Method

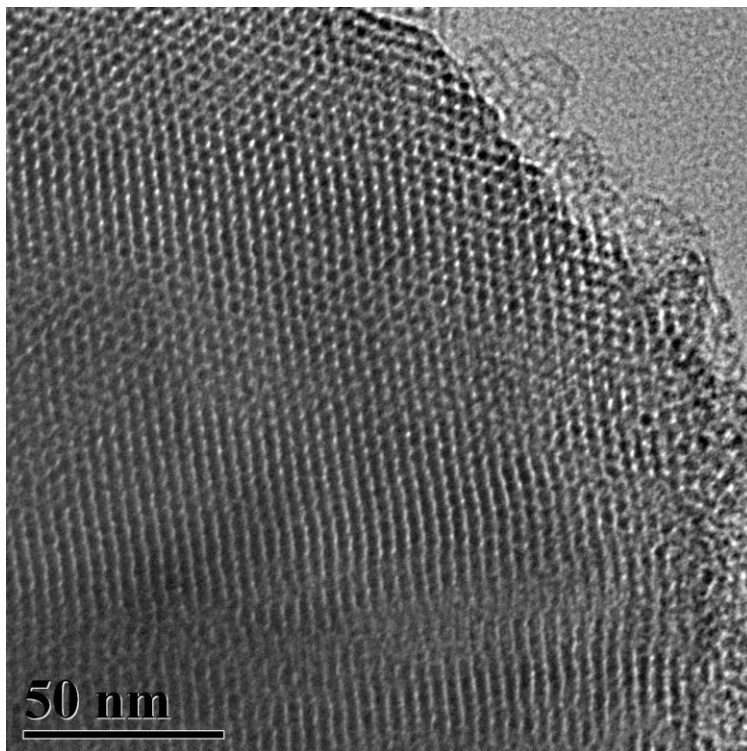
Hydrothermal Method

2. Characterizations

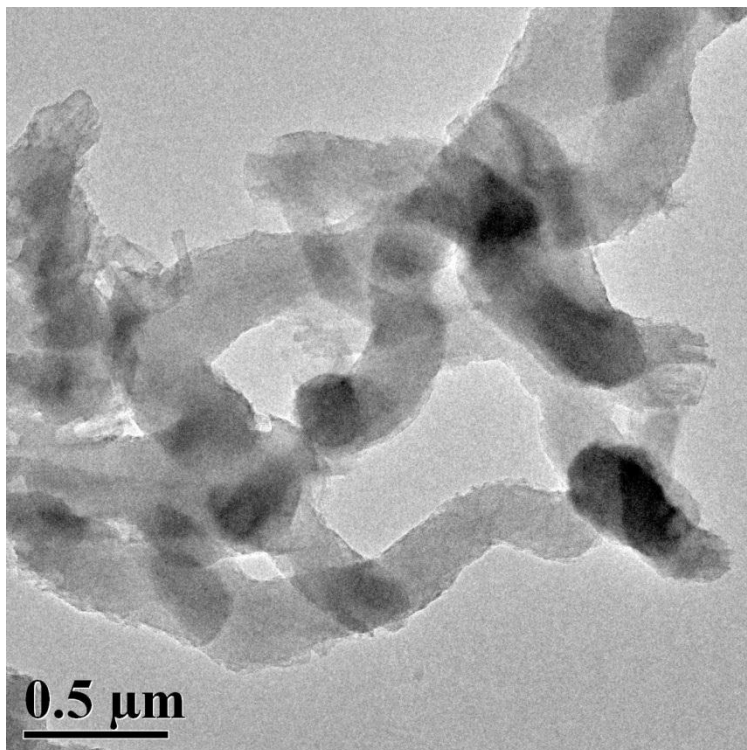
Type:	A	B
Grade:	Reagent Grade	Industrial Grade
Appearance:	White Powder	White Powder
Particle Size:	100-1000 nm	200-1000 nm
Average Pore Diameter:	3.4 nm	3.5-4.0 nm
BET surface area (m ² /g):	>850	>800
Pore Volume(cm ³ /g):	≥0.75	≥0.75
Na ₂ O:	≤0.5%	≤0.5%



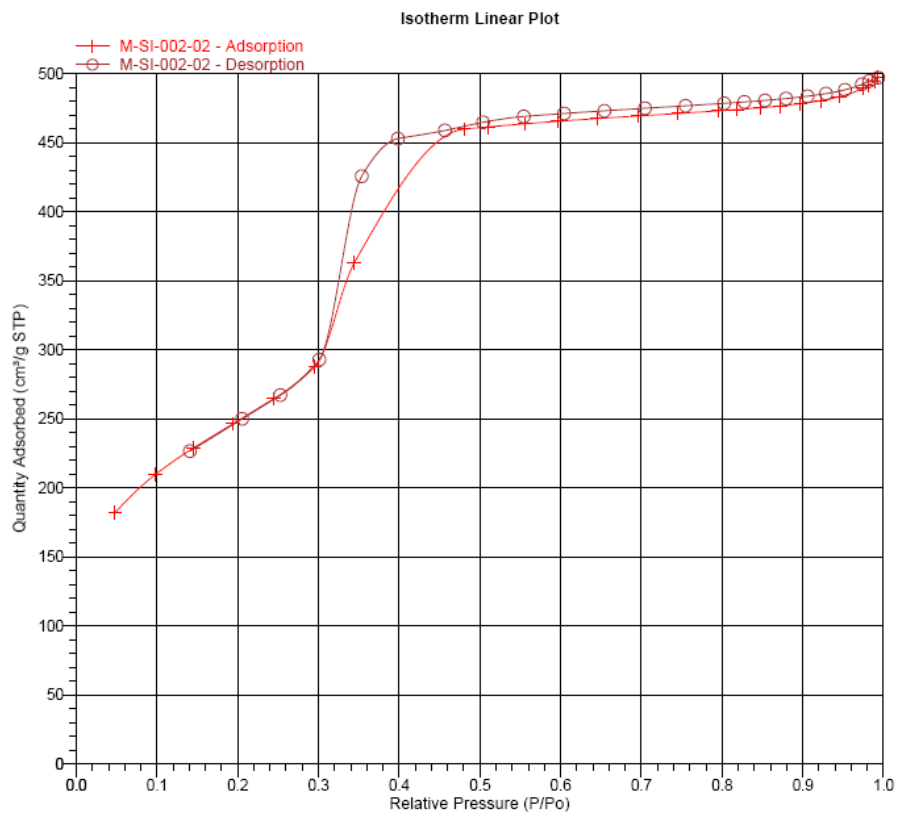
TEM Image (1) of ACS Material MCM-41 (Type A)



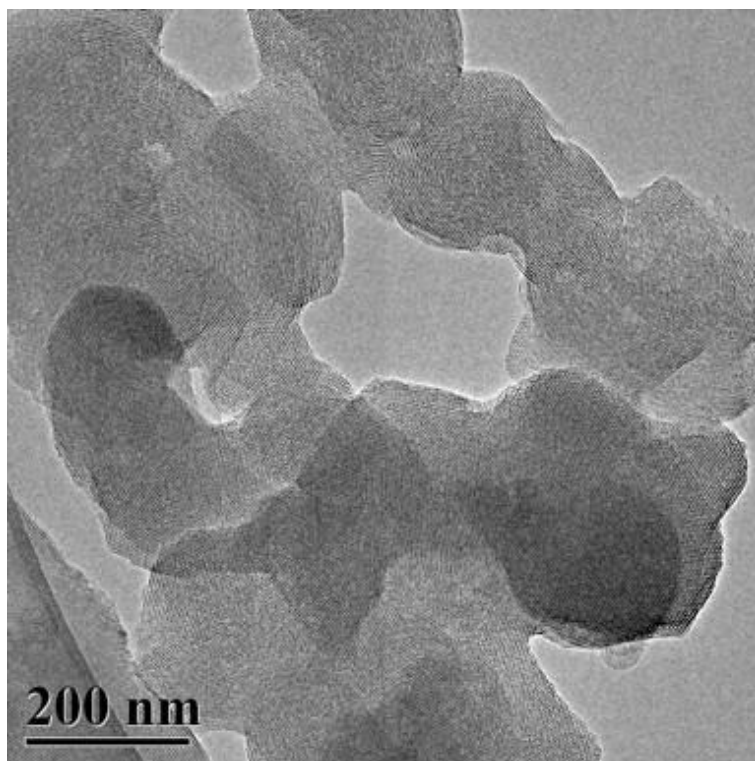
TEM Image (2) of ACS Material MCM-41 (Type A)



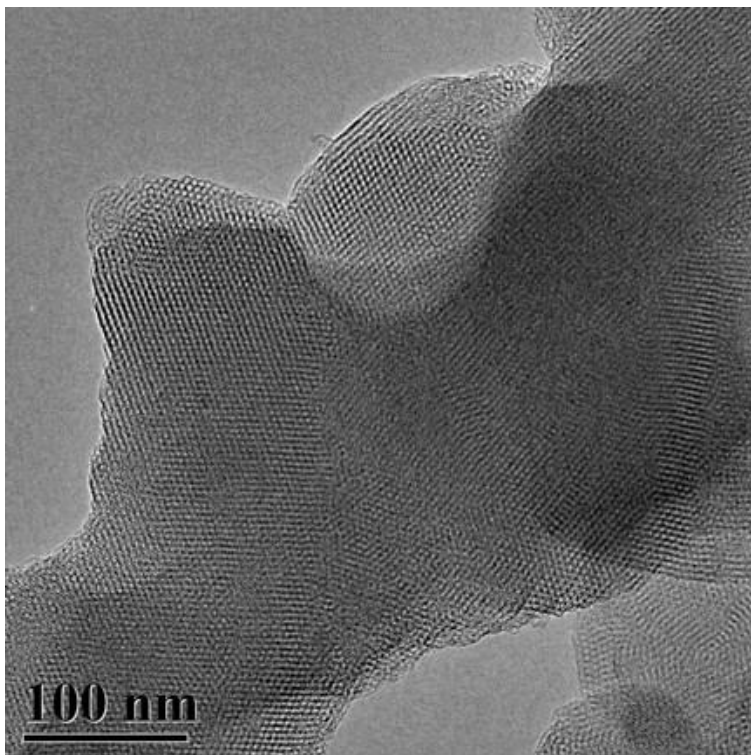
TEM Image (3) of ACS Material MCM-41 (Type A)



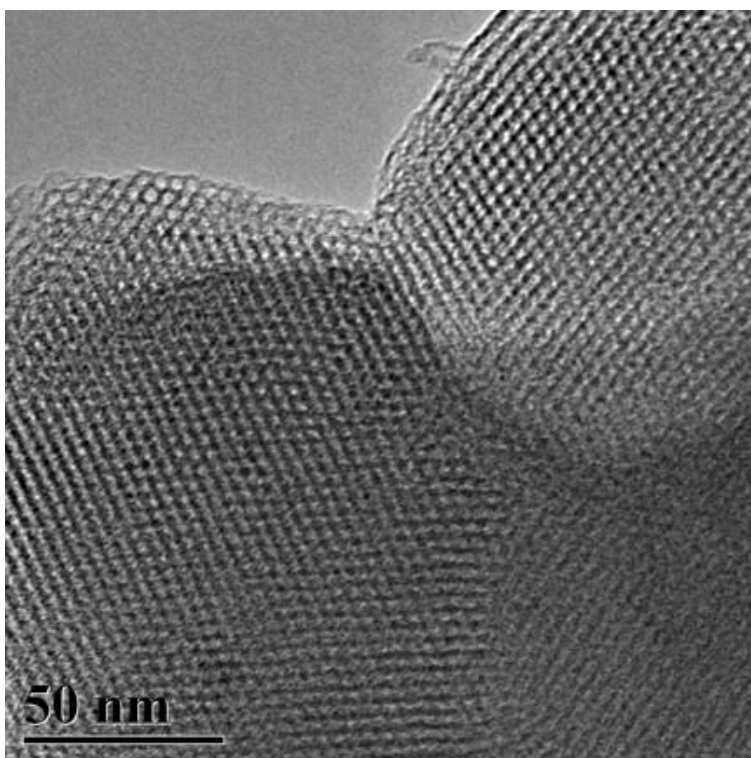
BET Analysis of ACS Material MCM-41 (Type A)



TEM Image (1) of ACS Material MCM-41 (Type B)



TEM Image (2) of ACS Material MCM-41 (Type B)



TEM Image (3) of ACS Material MCM-41 (Type B)

3. Application Fields

- 1) Catalyst
- 2) Dyes removal
- 3) Adsorbent

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