



Technical Data Sheet

ACS Material Mordenite Zeolite

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Contact Information:

Manufacturer: 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

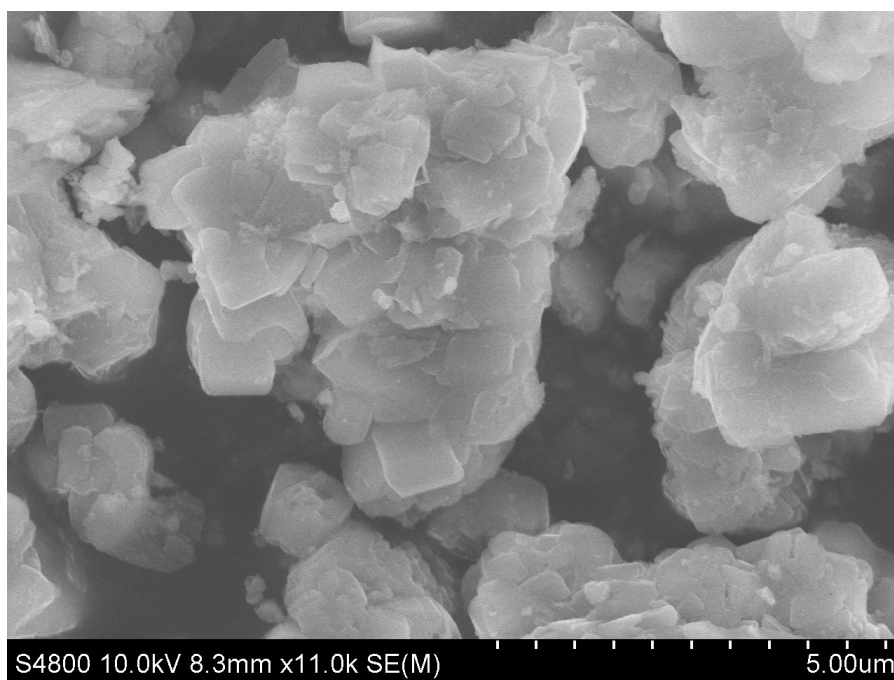
Revision: 092018

1. Preparation Method

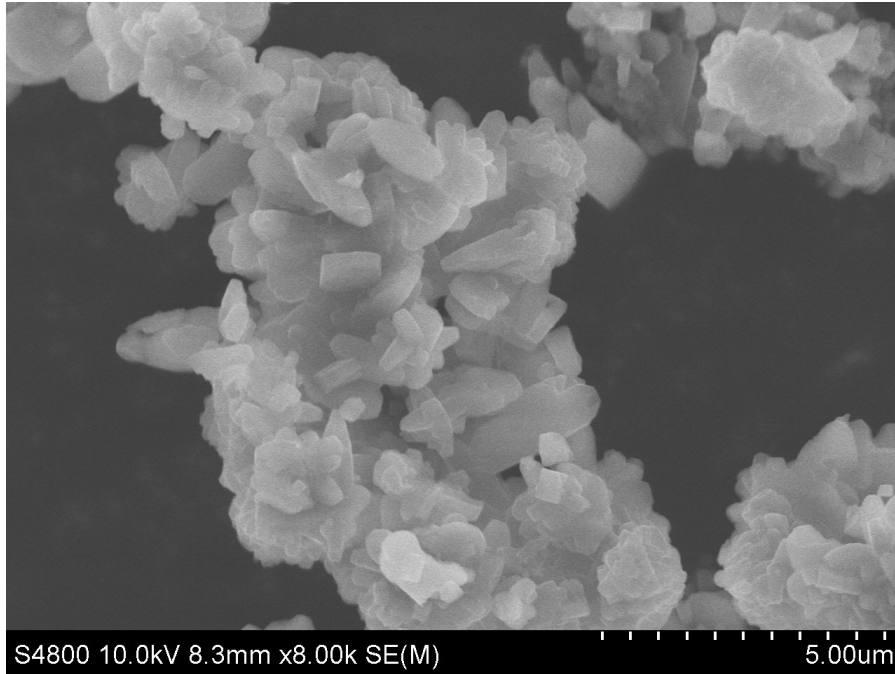
Hydrothermal Synthesis Method or Natural Product

2. Characterizations

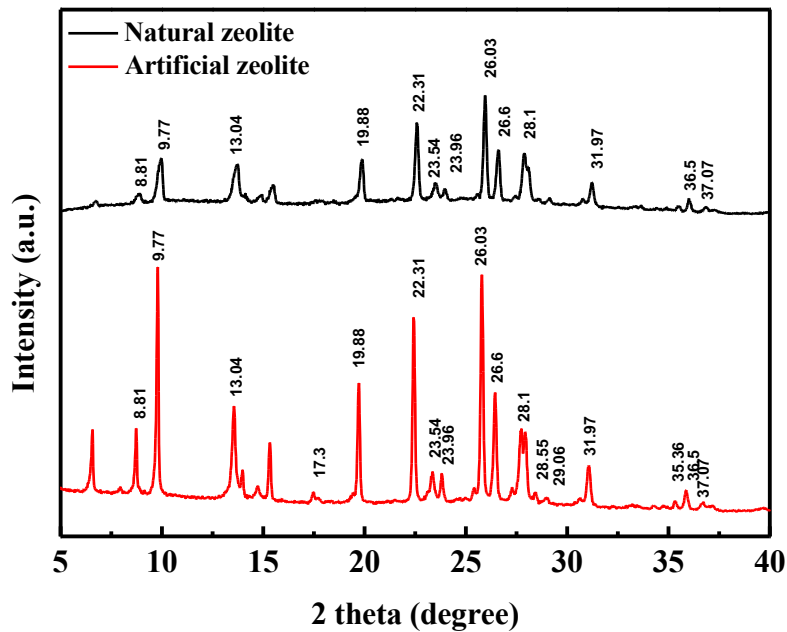
Type	Type A: Synthetic Mordenite	Type B: Natural Mordenite
SiO ₂ /Al ₂ O ₃ Molar Ratio	~20	~20
Hardness	3-4	3-4
Relative Density	0.3632	0.3893
Na ₂ O	<0.15 wt.%	<0.15 wt.%
Particle Size	1-3 μm	0.5-3 μm
Lattice Collapse Temperature	750°C	750°C
Relative crystallization	>90%	>90%



Typical SEM Image of ACS Material Synthetic Mordenite Zeolite



Typical SEM Image of ACS Material Natural Mordenite Zeolite



Typical XRD of ACS Material Synthetic and Nature Mordenite Zeolite

3. Application Fields

- 1) Catalysts
- 2) Adsorbents
- 3) Desiccant

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