



Technical Data Sheet

ACS Material Mesoporous Molecular Sieve Nano H-ZSM-5

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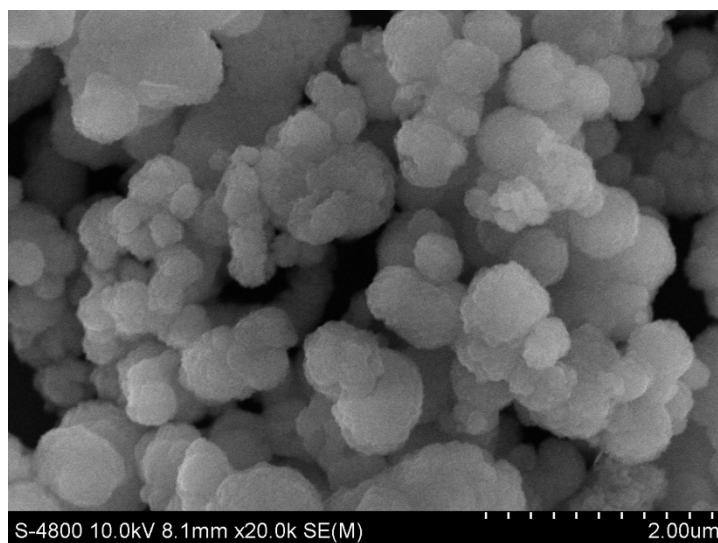
Revision: 050117

1. Preparation Method

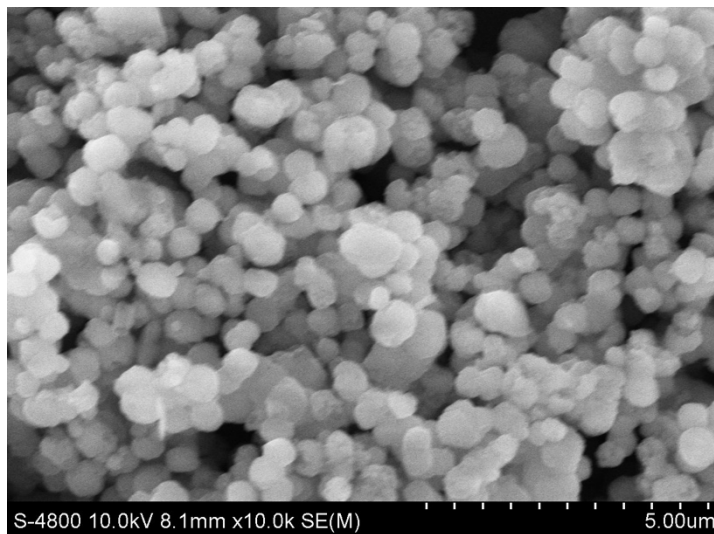
Hydrothermal synthesis method

2. Characterizations

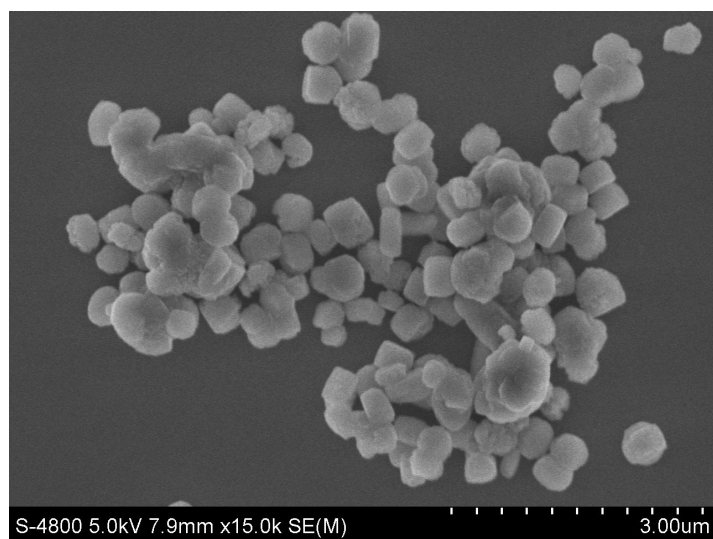
Type	P-26	P-52	P-87	P-91	P-371
Shape:	Sphere	Sphere	Sphere	Sphere	Sphere
SiO ₂ /Al ₂ O ₃ Molar Ratio:	26	52	87	91	371
Na%:	<0.1	<0.1	<0.1	<0.1	<0.1
Crystal Size (nm):	300	300	300	300	300,700
H ₂ O (wt.%):	<5	<5	<5	<5	<5
BET surface area (m ² /g):	≥362	≥362	≥362	≥362	≥362
Relative Crystallization (%):	100	98	100	99	96



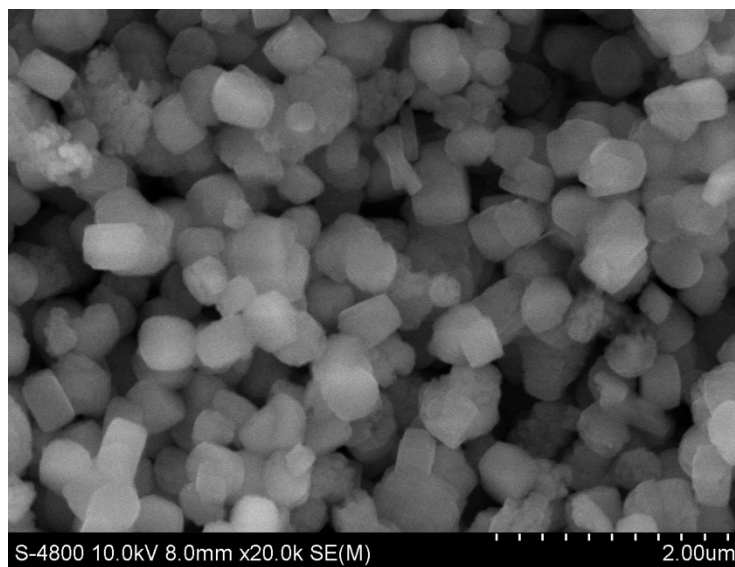
Typical SEM Image of ACS Material Nano H-ZSM-5 P-26



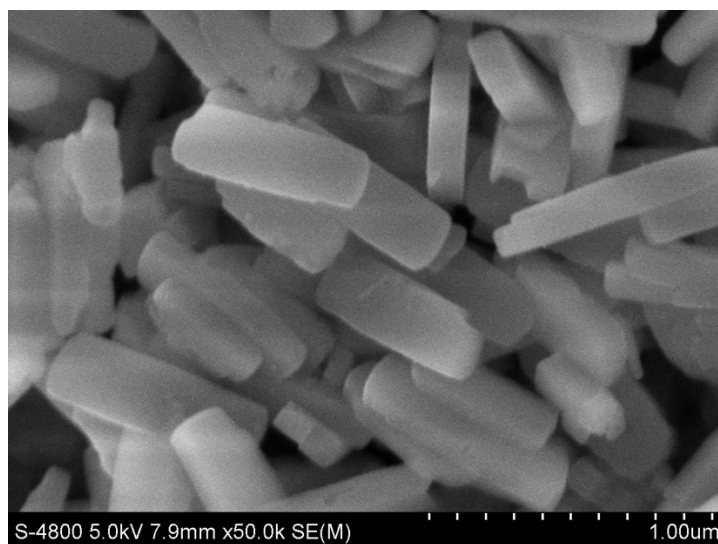
Typical SEM Image of ACS Material Nano H-ZSM-5 P-52



Typical SEM Image of ACS Material Nano H-ZSM-5 P-87



Typical SEM of ACS Material Nano H-ZSM-5 P-91



Typical SEM of ACS Material Nano H-ZSM-5 P-371

3. Application Fields

- 1) Catalyst
- 2) Adsorbent

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