



Technical Data Sheet

ACS Material Y-Zeolite

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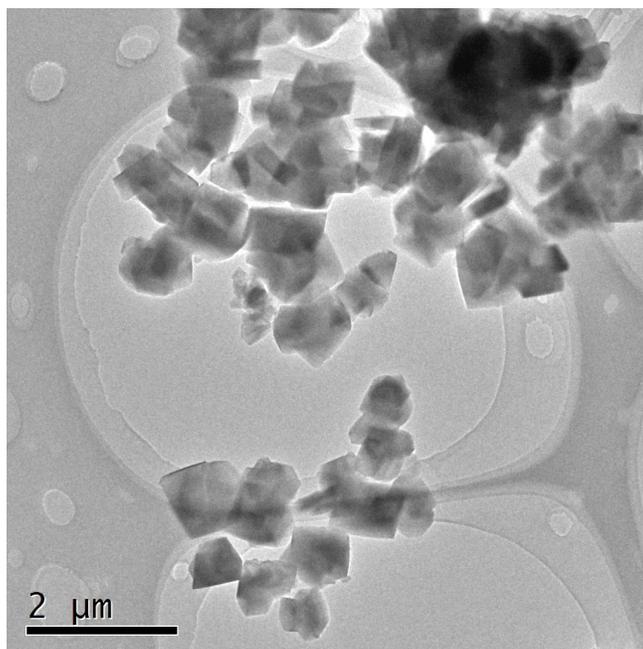
Revision: 050117

1. Preparation Method

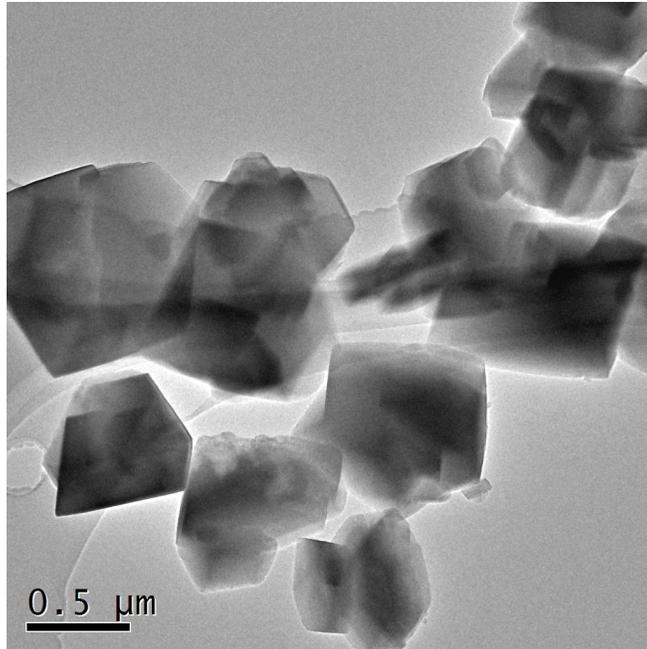
Hydrothermal Method

2. Characterizations

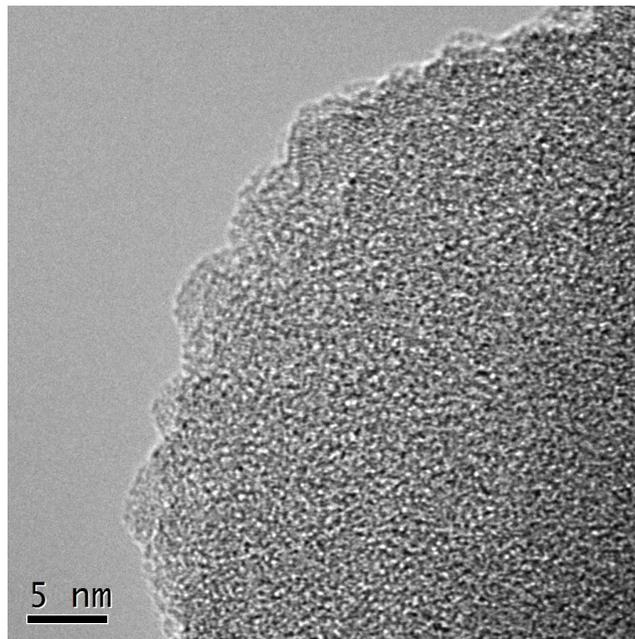
Appearance:	White powder
SiO₂/Al₂O₃:	≥5.3
Particle size:	0.6-0.9 μm
Lattice constant:	2.45-2.48 nm
Na₂O:	≤12.5%
Crystallinity:	≥88%
LOI (Loss on ignition):	≤15%
Static bibulous value:	≥32%



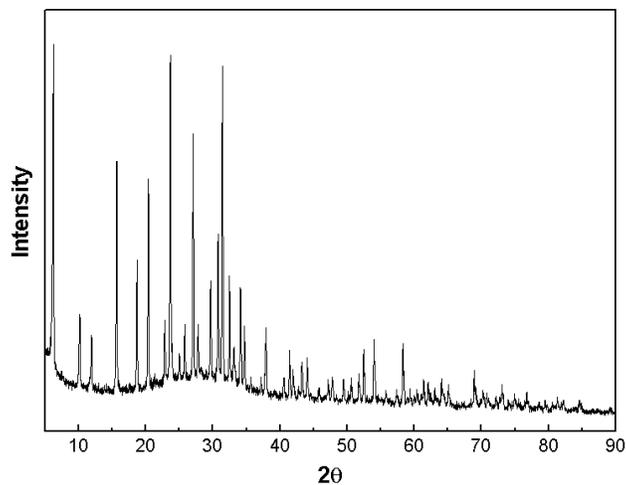
Typical TEM Image of ACS Material Y-zeolite



Typical TEM Image of ACS Material Y-zeolite



Typical TEM Image of ACS Material Y-zeolite



XRD Analysis of ACS Material Y-zeolite

3. Application Fields

- 1) Fluid catalytic cracking (FCC)
- 2) Hydrocracking
- 3) Isomerization processes of oil refining

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