



Technical Data Sheet

ACS Material CPT Method Zeolitic Imidazolate Framework-8 (ZIF-8)

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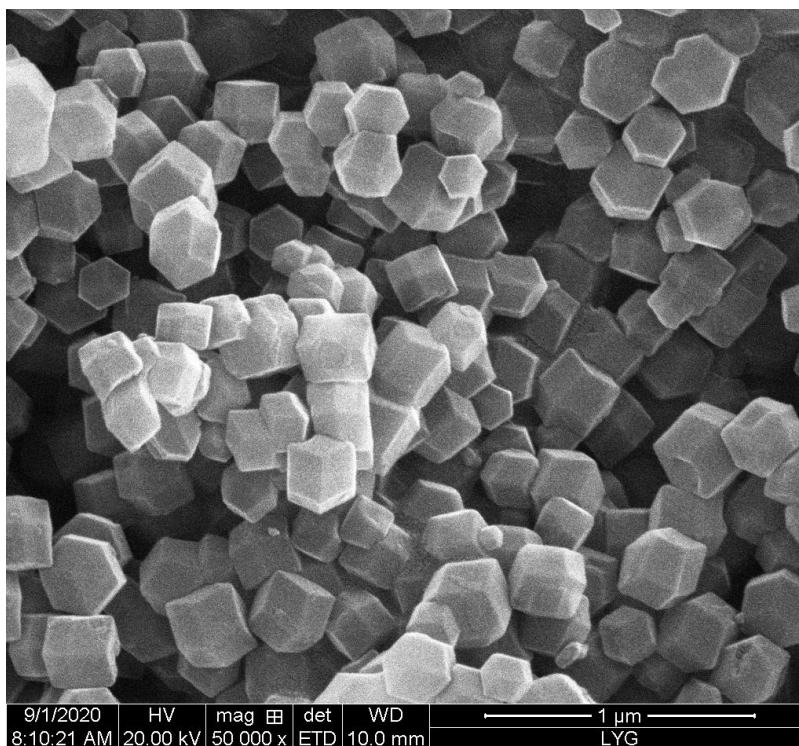
Revision: 02262021

1. Preparation Method

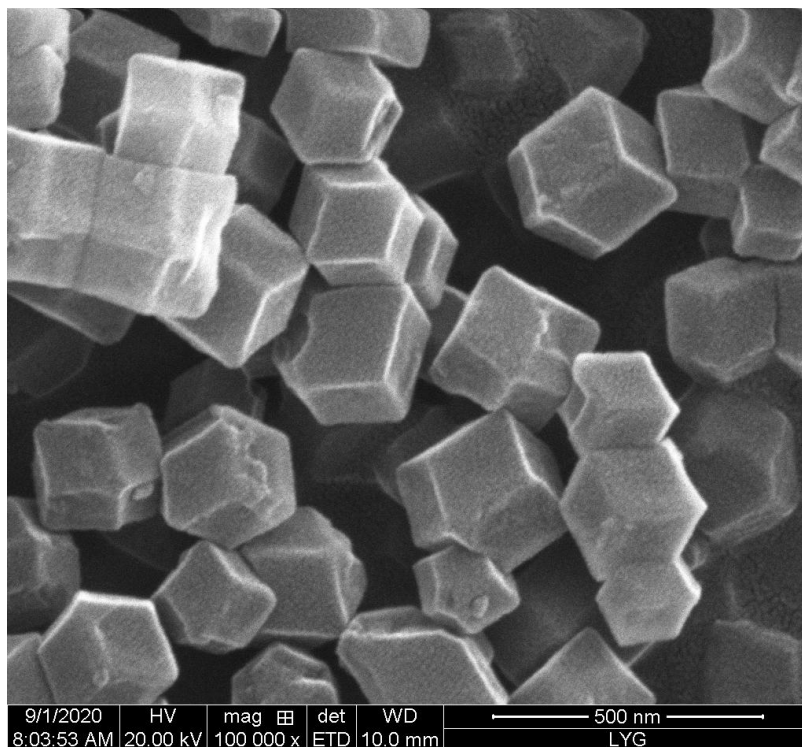
Coprecipitation Method (CPT Method)

2. Characterizations

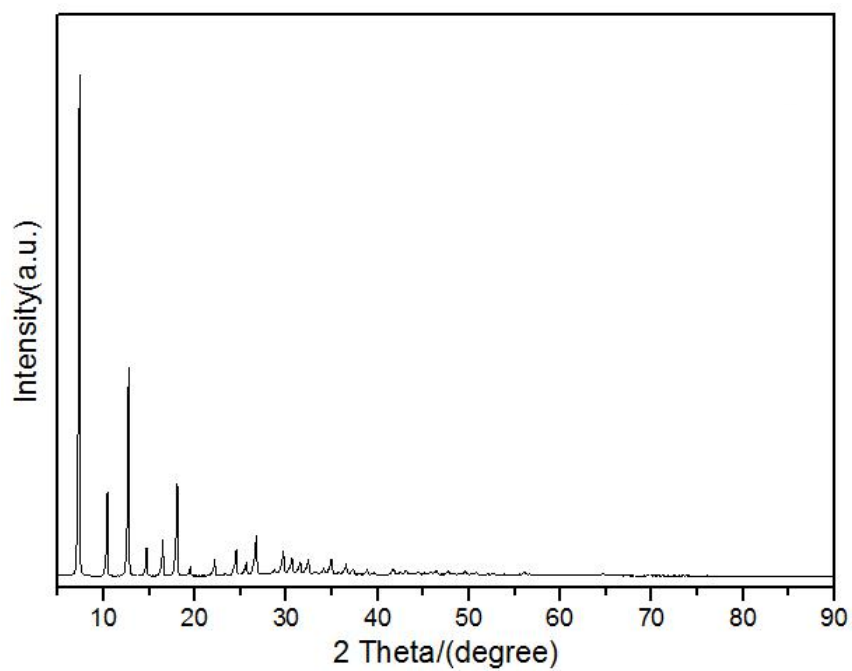
Appearance	White Powder
Composition	Zn ²⁺ , C ₄ H ₅ N ₂ -
Particle size	100-400 nm
Pore size	0.34-1.16 nm
Specific surface area	~1400 m ² /g



Typical SEM Image of ACS Material Coprecipitation Method ZIF-8 (1)



Typical SEM Image of ACS Material Coprecipitation Method ZIF-8 (2)



XRD Pattern of ACS Material Coprecipitation Method ZIF-8

3. Applications

- Catalysis
- Magnetic Materials
- Optical Materials
- Sensors
- Drug Delivery
- Biomedical Imaging
- Molecular Recognition
- Fuel Cells

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