



Technical Data Sheet

ACS Material Fe₃O₄ Nanoparticles

1 – Preparation Method

2 – Characterizations

3 – Applications

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1. Preparation Method

Hydrothermal method

2. Characterizations

Appearance	Black powder
Purity	>99% (EDS)
Particle size	10-30 nm (TEM)
Ingredient	Fe ₃ O ₄

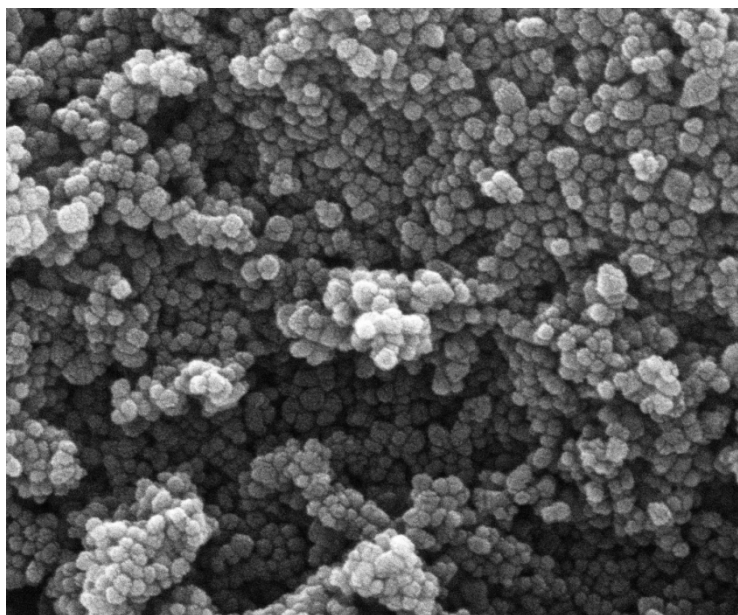


Fig.1 SEM image of Fe₃O₄ Nanoparticles

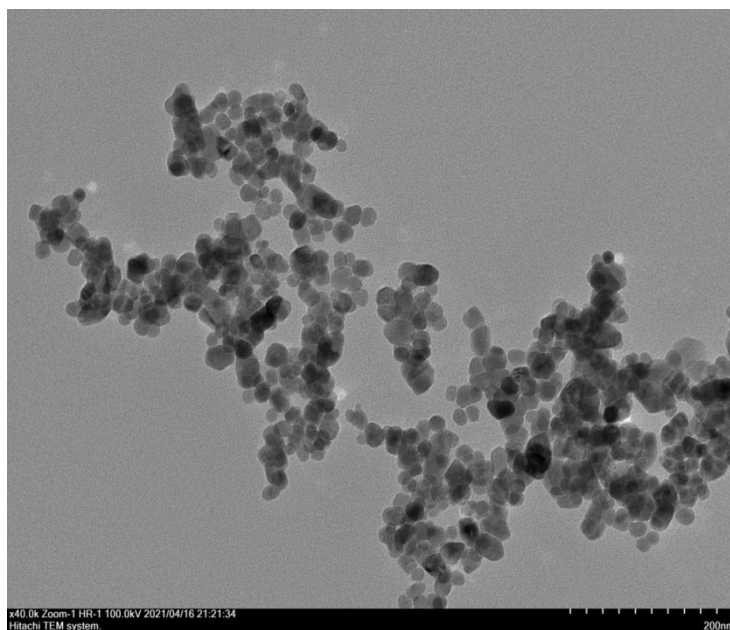


Fig.2 TEM image of Fe₃O₄ Nanoparticles

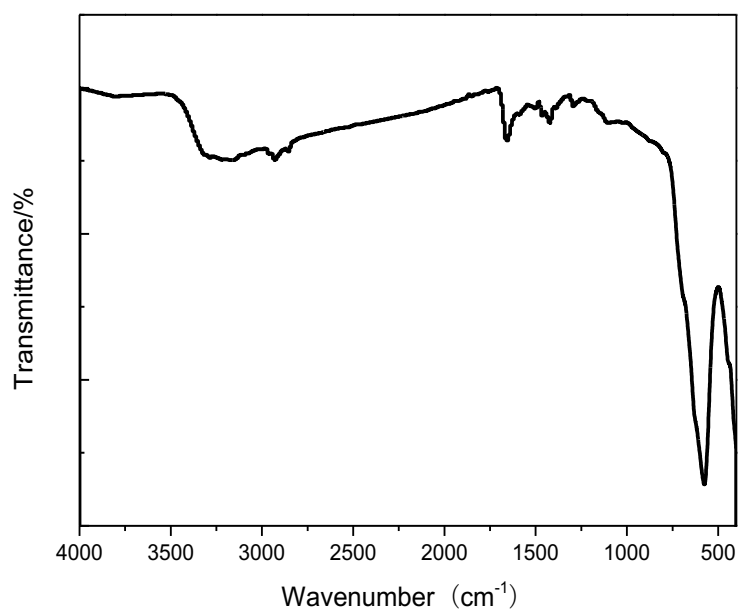


Fig.3 FTIR spectra of Fe₃O₄ Nanoparticles

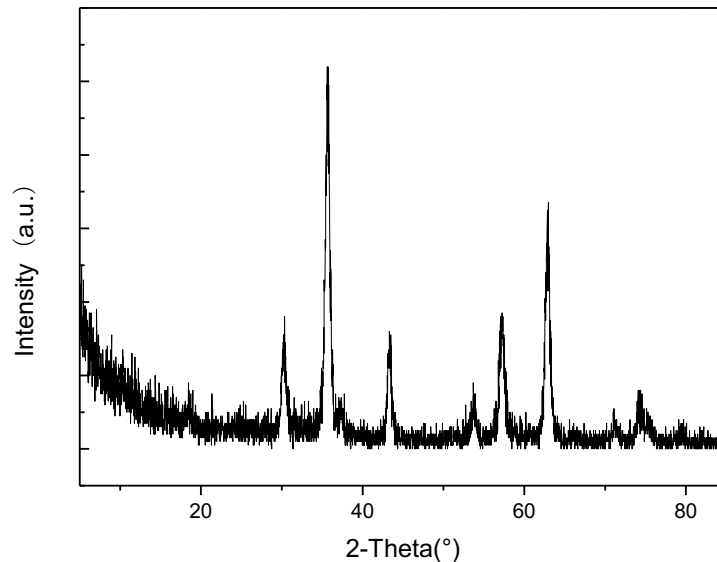


Fig.4 XRD spectra of Fe₃O₄ Nanoparticles

3. Applications

Adsorption, catalysis, water treatment, magnetic separation, etc.

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