



Technical Specifications

Updated 8/30/16

Fe₃O₄ In Organic Solvent

Composition	Iron(III) Oxide nanoparticles
Stabilizing ligand	Oleic Acid
Concentration	Order amount dependent
Organic Impurities	<1% (not including ligands)
Solvent*	Toluene
Volume	Order amount dependent
Lifetime	At least 6 months if stored properly. Dark at room temperature
Size Distribution	±10% of particle size

*Other solvents are available upon request.

Catalogue #	Particle diameter (nm)	Magnetization (M)	Minimum Magnetic Susceptibility (xg)	nmol/mg
FEO-5	5±1	> 30 emu/g	0.0030 c.g.s	2.5
FEO-10	10±1	> 45 emu/g	0.0047 c.g.s	0.5
FEO-20	20±3	> 20 emu/g	0.0072 c.g.s	0.1
FEO-30	30±3	> 10 emu/g	NA	0.05

NNCrystal US Corporation

534 W Research Center Blvd., Ste 254, Fayetteville, AR 72701
Phone: 479.595.0662; Fax: 479.595.0570; E-mail: contact@nn-labs.com