



Technical Specifications

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	±20% of particle size

*Other solvents are available upon request.

Catalogue #	Particle diameter (nm)	Magnetization (M)	Minimum Magnetic Susceptibility (xg)	Molecular weight (with ligands) (g/mol)	nmol/mg
FEO-5	5±1	> 30 emu/g	0.0030 c.g.s	3.6E05	2.5
FEO-10	10±2	> 45 emu/g	0.0047 c.g.s	2.26E06	0.5
FEO-20	20±3	> 20 emu/g	0.0072 c.g.s	1.56E07	0.1
FEO-30	30±4	> 10 emu/g	NA	4.89E07	0.05

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