



Technical Specifications

Updated 6/17/22

Fe₃O₄ In Powder Form

Composition	Iron(III) Oxide nanoparticles
Stabilizing ligand	Oleic Acid
Organic Impurities	<1% (not including ligands)
Solvent	NA
Lifetime	At least 6 months if stored properly. Dark at room temperature
Size Distribution	±20% of particle size
Temperature Stability	< 100 °C

Catalogue #	Particle diameter (nm)	Magnetization (M)	Minimum Magnetic Susceptibility (xg)	nmol/mg
FEO-5P	5±1	> 25 emu/g	0.0030 c.g.s	2.5
FEO-10P	10±1	> 45 emu/g	0.0047 c.g.s	0.5
FEO-20P	20±3	> 20 emu/g	0.0072 c.g.s	0.1
FEO-30P	30±3	> 10 emu/g	NA	0.05

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