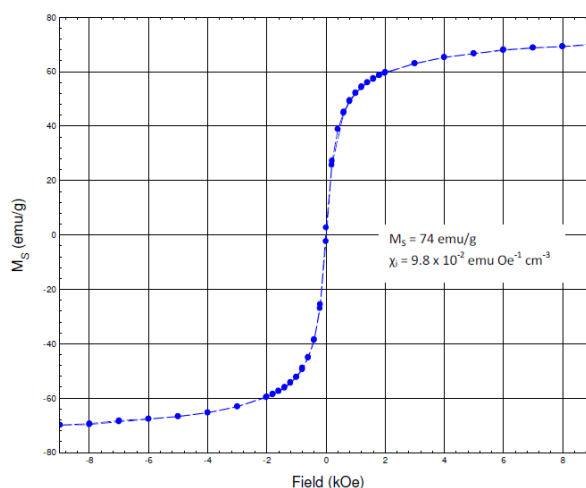
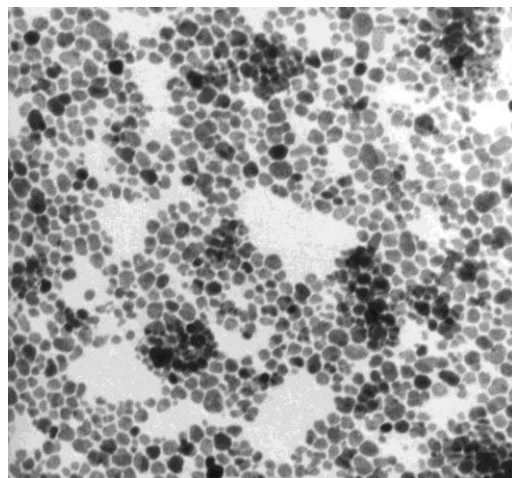


Nano-Powder PM001 & PM002

- Superparamagnetic magnetite (Fe_3O_4) nanoparticles produced by Liquids Research Ltd.
- Saturation magnetisation (M_S) of nanoparticles is 70-75 emu/g.
- Particle size distribution is $\sigma_{\text{IND}} \sim 0.4$
- Particles can be supplied coated with a surfactant or uncoated.
- Particles can be supplied as a colloid in polar or non-polar solvents.
- Samples available on request.



Product	Magnetite core size (nm)	Size distribution. σ_{IND}	Saturation magnetisation (emu/g)	Hydrodynamic size [$\pm 10\%$] (nm)	Zeta-potential at pH 7 (mV)
PM001 (coated)	10	0.4	70 -75	30	0
PM002 (uncoated)	10	0.4	70 -75	n/a	0

Please note that dry powders (coated or uncoated) are aggregated, but still behave magnetically as superparamagnetic magnetite particles.



Cert No. 1773-QMS-001

ISO9001:2008