

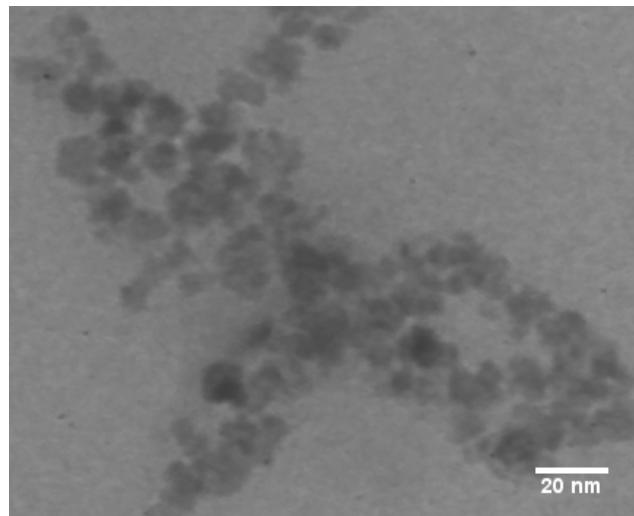
Specification of Magnetite 1.®

Chemical Formula	Fe ₃ O ₄
Morphology	Spherical
Physical State	Powder
Appearance	Powder
Color	Black
Packaging	Standard Packaging
Storage Condition	RT

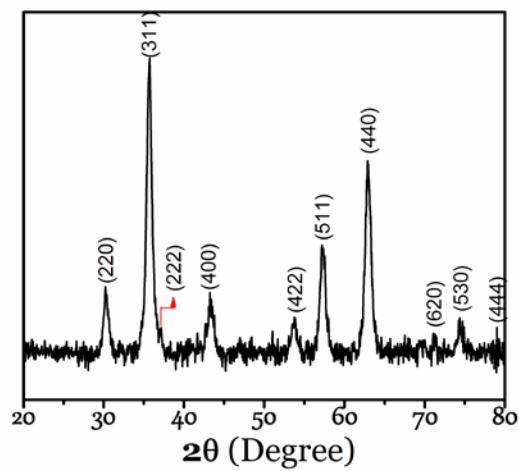
Technical

Size	< 10 nm
Density	5.17 g/ml
Surface Functionality	Plain
Magnetization	47 emu/g iron (H = 1000 Oe)
Saturation magnetization	>50 emu/g iron (H > 1000 Oe)
Coercive field (Hc)	~50 Oe
Scope of Application	MRI contrast agent, Research centers

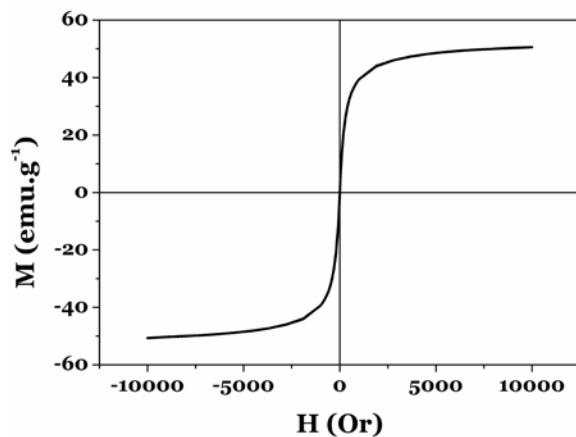
Characterization



TEM image of *Magnetite* ®



XRD analysis of *Magnetite* ®



Vibrating Sample magnetometer (VSM) analysis of
Magnetite ®