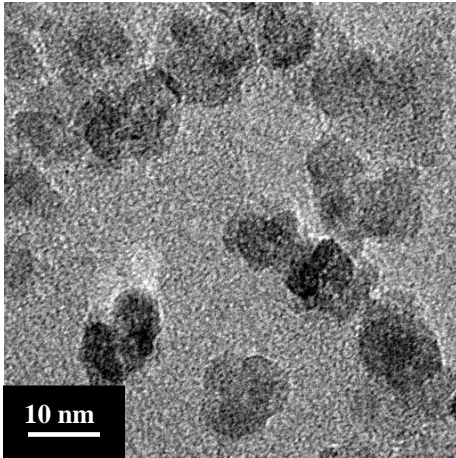


Small crystallite size

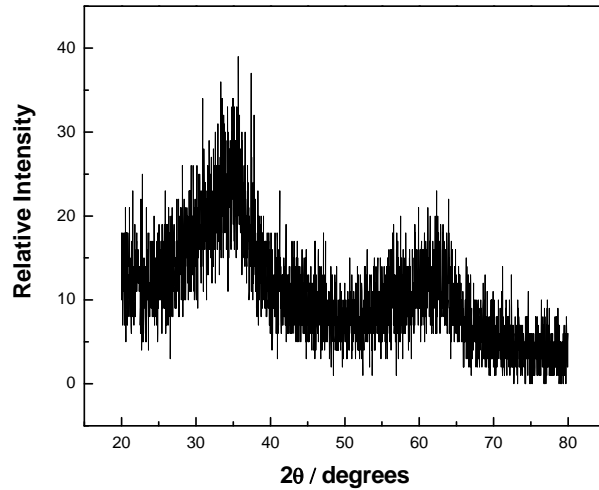
Narrow size distribution

High surface area

Iron (III) OXIDE (Fe₂O₃)



TEM micrograph of Fe₂O₃ powder showing small particle size and narrow distribution.



XRD pattern of Fe₂O₃ powder showing broad peaks indicative of fine crystallite size.

Typical Properties

| | |
|---|--------------------------|
| Crystal Phase | Maghemite (Cubic) |
| Avg. Crystallite Size (From XRD) | 4 nm |
| Avg. Particle Size (From Surface Area)..... | 6 nm |
| Specific Surface Area | 180 m ² / g |
| Color | Red-brown |
| True Density | 5.25 g / cm ³ |
| Purity..... | 99.9 % |

Typical Applications

- Pigments for paints, varnish, ink, rubber, plastics etc.
- Magnetic media
- Catalysts for petrochemical applications
- Biomedical applications such as imaging and drug delivery

Available in quantities of 100, 250, & 500 grams. Pricing information is available on our website.