

## Iron Oxide Nanoparticle (Fe<sub>3</sub>O<sub>4</sub>, 98+%, 20-30 nm)

Stock#: US3220

Please click [here](#) for price information.

### Details:

Iron Oxide (Fe<sub>3</sub>O<sub>4</sub>)

Purity: 98+%

APS: 20 - 30 nm

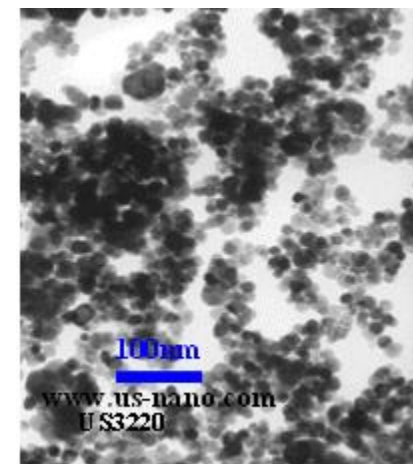
SSA: 40-60m<sup>2</sup>/g

Color: black

Morphology: spherical

Bulk density: 0.84 g/cm<sup>3</sup>

True density: 4.8-5.1 g/cm<sup>3</sup>



### Certificate of Analysis--%

| Ca      | Cr      | K       | Mn      | SiO <sub>2</sub> |
|---------|---------|---------|---------|------------------|
| <0.0229 | <0.0016 | <0.0012 | <0.0860 | <0.1420          |

### Applications:

Color imaging; Detoxification of biological fluids; Electromagnetic-wave absorption; Ferrofluids; Magnetic detectors; Electromagnetorheological fluids; High-density magnetic recording; Magnetic cell separation; Magnetic coatings; Magnetic refrigeration; Magnetic resonance imaging contrast enhancement; Magnetically controlled transport of anti-cancer drugs; Magneto-optical devices; Semiconductors; Toners for copies and laser printers; Microwave devices; Removal of actinides from waste water...

[MSDS](#)

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