

*Iron Nanoparticles (Fe, 99.5%, 25 nm, partially passivated, Metal basis)

Stock #: US1105

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

Details:

Iron (Fe) (For safe shipping, this product has been partially passivated w/[O] ~10%, no effect on major performance.)

Purity: 99.5% (metal basis),

APS: 25 nm

SSA: 40 - 60 m²/g

Color: black

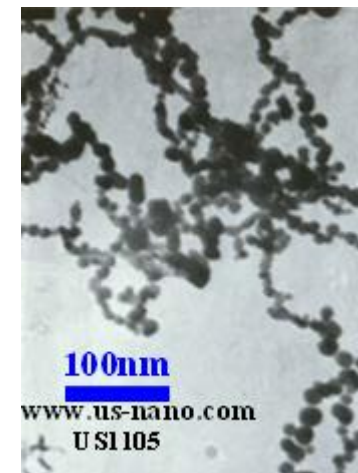
Morphology: spherical

Bulk density: 0.10 - 0.25 g/cm³

True density: 7.90 g/cm³

Making method: Laser evaporating

Flammable, UN3089



| Certificate of Analysis--% | | | | |
|----------------------------|-------|-------|-------|------|
| Ca | Cr | Mn | Ni | Al |
| 0.004 | 0.006 | 0.086 | 0.009 | 0.16 |

[MSDS](#)
[X-Ray](#)

Applications:

Utilized as probes of fundamental magnetic interactions; Media for magnetic data storage; Ferro fluids for rotary vacuum seals; Biomedical applications such as magnetic separation and contrast agents for magnetic resonance imaging; In the environmental field in the degradation of chlorinated hydrocarbons and hard metals in contaminated soils; Single electron transistors; Catalysts; Drug carriers; Electromagnetic-wave absorption; Ferrofluids; High density magnetic recording; Magnetic pastes.....

Cautions:

- 1.Metal nanopowder should be gently placed and avoided violent vibration and friction.
- 2.Metal nanopowder should be prevented from moisture, heat, impact and sunlight.
- 3.The user must be a professional (This person must know how to use this product.)

US Research Nanomaterials, Inc.

3302 Twig Leaf Lane, Houston, TX 77084, USA

Phone: (Sales) 832-460-3661; (Shipping) 832-359-7887 Fax: 281-492-8628

E-mail: Service@us-nano.com; Tech@us-nano.com