



Iron Oxide Nanoparticles in Chloroform PRODUCT DATA SHEET

Iron Oxide Nanoparticles in Chloroform

Description

Iron Oxide Nanoparticles in Chloroform is a soluble iron oxide nanoparticle synthesized in chloroform. The nanoparticles have uniform size and high crystallinity, and the particle size can be easily adjusted by changing the reaction temperature and ligand concentration. Iron Oxide Nanoparticles in Chloroform has high chemical stability and unique magnetic properties, and it can be dispersed in most organic solvents, Soluble in chloroform, toluene, xylene, tetrahydrofuran, etc. Due to these properties, this product is commonly used in catalytic materials, magnetic materials, drug delivery systems, biological imaging, and environmental remediation.

Abvigen Inc can provide high-quality Iron Oxide Nanoparticles in Chloroform of various particle sizes (5 nm - 30 nm). Compared to traditional Iron Oxide Nanoparticles, we have significantly improved product quality in terms of size tunability, monodispersity, and crystal structure. By coating the surface of Iron Oxide Nanoparticles in Chloroform with oleic acid, we have improved the stability of the nanoparticles.

For custom sizes, formulations or bulk quantities please contact our customer service department.

website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com



Characteristics

Composition: Iron Oxide Nanoparticles

Concentration: 25 mg/ml

Size: 2 ml

Surface: Oleic acid

Buffer: Chloroform

Shape: Spherical

Density: 5.18 g/ccm

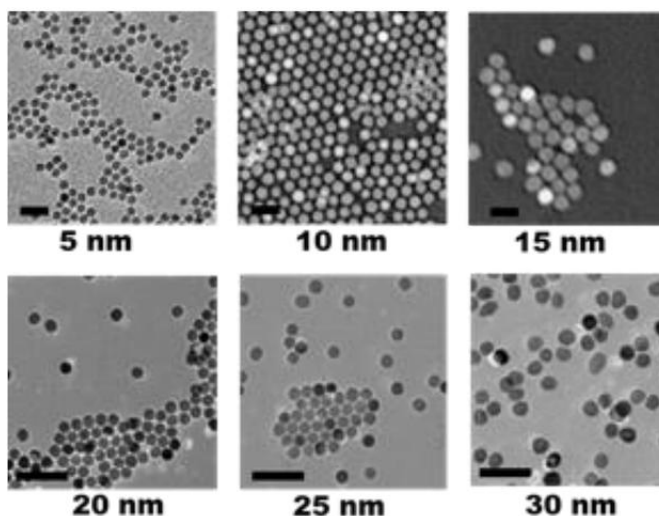
Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

For 25 mg/ml of Iron Oxide Nanoparticles in Chloroform

Diameter	Conc. mg/ml	Particles/ mg	Particles/ ml	Diameter	Conc. mg/ml	Particles/ mg	Particles/ ml
5 nm	25	2.95E+15	7.37E+16	20 nm	25	4.61E+13	1.15E+15
10 nm	25	3.69E+14	9.22E+15	25 nm	25	2.36E+13	5.90E+14
15 nm	25	1.09E+14	2.73E+15	30 nm	25	1.37E+13	3.41E+14



Advantages

Narrow size distribution

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Reserved

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High crystallization

Good dispersibility

Good stability

Application

Liquid sealant for electronic devices

Nano lubricant

Chemical catalysts

Refractor of the analyzer

Adaptive optics shape-shifting magnetic mirror

Ordering Information

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