

Iron Oxide Nano Particle



We manufacture Fe_2O_3 nanoparticles by solgel method in bulk quantity with multi-point of quality check to get accurate Iron oxide nanopowder.



APS: 30-60 nm

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PRODUCT FEATURES



Purity: 99.9%

Advantages

- ▶ Superparamagnetic nanoparticles for hyperthermia treatment
- ▶ Biocompatibility
- ▶ Magnetic ability
- ▶ Ability to be functionalized
- ▶ Cost-efficient commercial production of IONPs with appropriate solubility and biocompatibility for clinical trials
- ▶ Anti-inflammatories, antibiotics and antifungals. No adverse effects on plant growth.
- ▶ Short reaction time and low energy consumption

Applications

As Contrast Agents For
Magnetic Resonance Imaging
(MRI)

As Drug Carriers For Target
Specific Drug Delivery. As
Gene Carriers For Gene Therapy

As Therapeutic Agents
For Hyperthermia Based
Cancer Treatments

As Magnetic Sensing Probes
For In-vitro Diagnostics (IVD)

As Nanoadjuvant For Vaccine
And Antibody Production

Nanofertilizers, Nanofungicides,
Nanopesticides.

Nanosensors, Nanofood,
Encapsulation, Food Packing,
Nanocoatings, Precision Farming
& Nanoporous Membranes.

Photovoltaic Film Coatings,
Improved Efficiency Of
Fuel Production & Consumption,
Fuel Cells And batteries.

Printed Electronics,
Nanoscale Memory, Nanowires,
NEMS, Spintronics,
And Quantum Dots.