

**NS6130-02-229**

# NICKEL IRON Oxide Nanoparticles

## Quick Facts

Product	:	Nickel Iron Oxide Nanoparticles
Stock No	:	NS6130-02-229
CAS	:	12168-54-6
Molecular Formula	:	NiFe <sub>2</sub> O <sub>4</sub>
Form	:	Powder

**Purity**  
99.9%

## Technical Specification

Molecular Weight	Density	Purity	APS
234.38 g/mol	5.36 g/cm <sup>3</sup>	99.9%	30nm

Nickel Iron Oxide Nanoparticles exhibit great magnetic properties and are hence the most suitable material to be used in high-density magnetic applications such as magnetic recording media applications. They also exhibit a strange quality of absorbing microwaves and are used in shielding. In several chemical reactions, they are used as catalysts. They are used in Magnetic Resonance Imaging (MRIs) applications as well. They are also used as repulsive suspension material, for preparation of nickel cermet, magnetic liquid, in cathodes of lithium-ion micro-batteries, in alloys, nanofibres, and nanowires. They have also found their uses in electrochromic coatings, textile, and plastic industries. The highest possible purity level is crucial for better efficiency and effectiveness of nickel-iron oxide nanoparticles..

**NiFe<sub>2</sub>O<sub>4</sub>**  
APS 30nm



Follow us:



| [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

**INTELLIGENT MATERIALS PVT LTD**  
Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

**NANOSHEL UK LIMITED**  
Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

**NANOSHEL LLC**  
3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911