

## Specification Sheet

### Passivated Iron Core Shell Nanoparticles

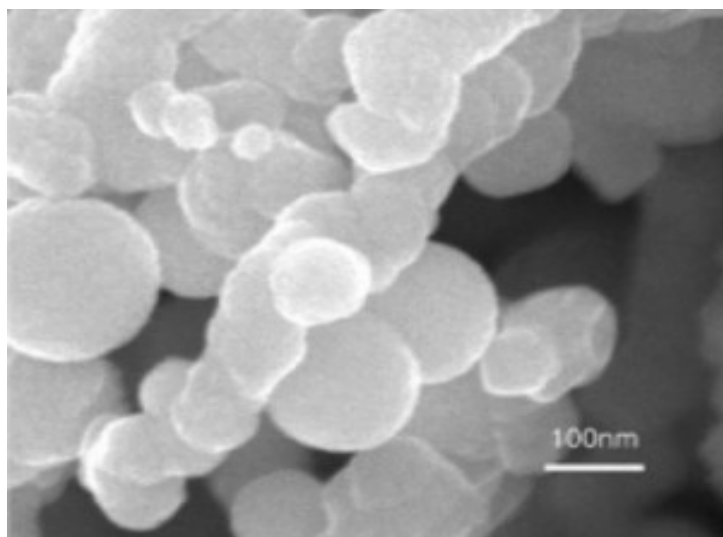
(Fe, Purity: 99.9%, APS: 25 nm, Partially Passivated, Metal basis)

Stock No: NS6130-01-134, CAS: 7439-89-6

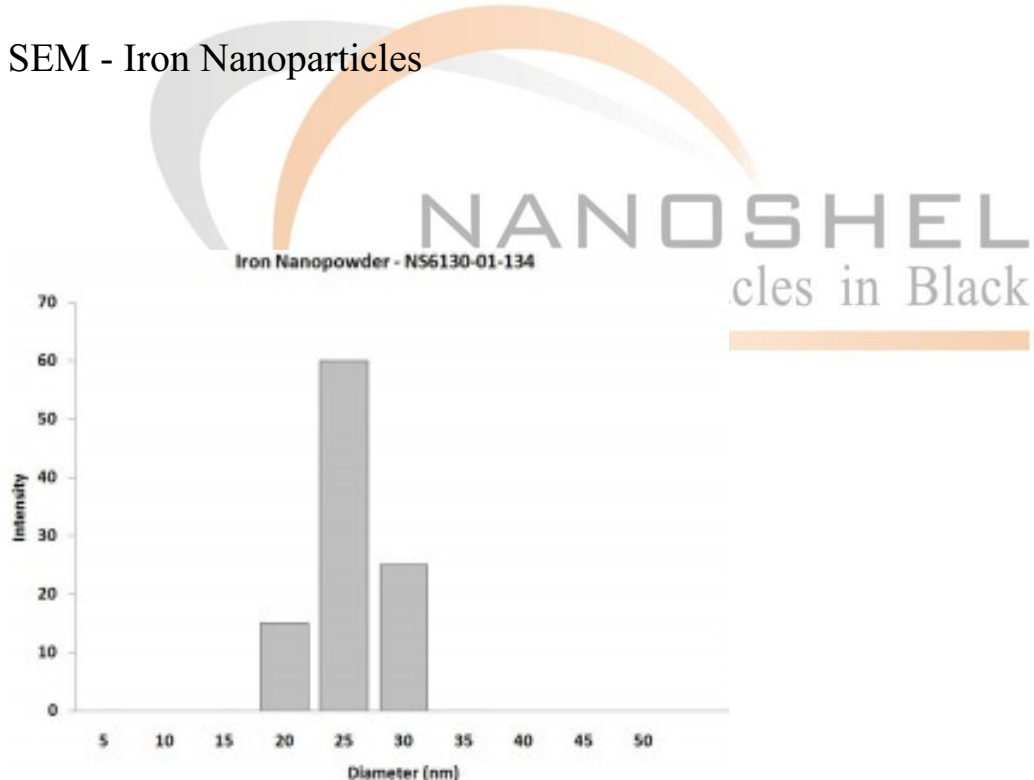
<b>Product</b>	:	<b>Passivated Iron Core Shell Nanoparticles</b>
Stock No	:	NS6130-01-134
CAS	:	7439-89-6
Purity	:	99.9%
APS	:	25 nm
Molecular Formula	:	Fe
Molecular Weight	:	55.845 g/mol
Form	:	Powder
Color	:	Black
Density	:	7.874 g/cm <sup>3</sup>
Melting Point	:	1538 °C
Boiling Point	:	2862 °C
Solubility	:	Insoluble in water
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Passivated Iron Core Shell Nanoparticles



SEM - Iron Nanoparticles



Particles Size Analysis - Fe Nanopowder