

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Product Specifications*

<b>Catalogue Number</b>	47073
<b>Product</b>	<b>Iron nanopowder (40~60 nm)</b>
<b>CAS Number</b>	7439-89-6
<b>Molecular Formula</b>	Fe
<b>Molecular Weight</b>	55.85

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<b>Appearance</b>	Black powder
<b>Density</b>	Bulk density 0.36 g/cm <sup>3</sup> , True density 7.90 g/cm <sup>3</sup>
<b>Mesh Size</b>	APS 40~60 nm , SSA 6 - 13 m <sup>2</sup> /g
<b>Purity</b>	≥ 99.7% (Trace metals basis)
<b>Application</b>	A versatile magnetically-active material with applications in electronics, medicine, imaging, environmental management, data storage, and other fields, iron nanopowder can be obtained with various diameters, surface areas, purities, and coatings, and can be obtained as a powder or a suspension in a solvent such as ethanol
<b>Storage</b>	Store at RT

**For Laboratory Use Only**