

# *Chem-Impex International, Inc.*

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## *Product Specifications*



<b>Catalogue Number</b>	47177
<b>Product</b>	<b>Iron oxide nanopowder (20 - 30 nm)</b>
<b>CAS Number</b>	1309-37-1
<b>Molecular Formula</b>	Fe <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight</b>	231.53

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<b>Appearance</b>	Black brown nanopowder
<b>Density</b>	Bulk density 0.85 g/cm <sup>3</sup> , True density 4.8-5.1 g/cm <sup>3</sup>
<b>pH</b>	6 - 7
<b>Mesh Size</b>	APS 20 - 30 nm, SSA 40-60 m <sup>2</sup> /g
<b>Related Substances</b>	Ca : ≤ 0.009%, Cl : ≤ 0.011%, Cr : ≤ 0.013%, Mg : ≤ 0.012%, Mn : ≤ 0.108%, Na : ≤ 0.011%, Ni : ≤ 0.006%, Pb : ≤ 0.002%, SiO <sub>2</sub> : ≤ 0.165% SO <sub>4</sub> : ≤ 0.033%
<b>Purity</b>	≥ 98% (Trace metals basis)
<b>Storage</b>	Store at RT

**For Laboratory Use Only**