**Specification Sheet**

Iron Nanoparticles  
(Fe/C, Purity: 99%, APS: 25 nm, Carbon coated, Metal basis)  
Stock No: NS6130-01-135, CAS: 7439-89-6

<table>
<thead>
<tr>
<th>Product</th>
<th>Iron Nanoparticles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock No</td>
<td>NS6130-01-135</td>
</tr>
<tr>
<td>CAS</td>
<td>7439-89-6</td>
</tr>
<tr>
<td>Purity</td>
<td>99 %</td>
</tr>
<tr>
<td>APS</td>
<td>25 nm (20-30nm)</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Fe/C</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>55.845 g/mol</td>
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<tr>
<td>Form</td>
<td>Powder</td>
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<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Density</td>
<td>7.874 g/cm³</td>
</tr>
<tr>
<td>Melting Point</td>
<td>1538 °C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>2862 °C</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Main Inspect Verifier</td>
<td>Manager QC</td>
</tr>
</tbody>
</table>

**Note:** Product Specification are subject to amendment and may change over time
Characterization of Iron Nanoparticles

SEM - Iron Nanoparticles

Particles Size Analysis - Fe Nanopowder