# Specification Sheet

**Magnetite Nanoparticles**  
(Iron Oxide, Fe₃O₄, Purity: 99.9%, APS: 80nm)  
Stock No: NS6130-03-321, CAS: 1317-61-9

<table>
<thead>
<tr>
<th>Product</th>
<th>Magnetite Nanoparticles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock No</td>
<td>NS6130-03-321</td>
</tr>
<tr>
<td>CAS</td>
<td>1317-61-9</td>
</tr>
<tr>
<td>Purity</td>
<td>99.9 %</td>
</tr>
<tr>
<td>APS</td>
<td>80nm</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Fe₃O₄</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>231.53 g/mol</td>
</tr>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>Dark brown</td>
</tr>
<tr>
<td>Density</td>
<td>5 g/cm³</td>
</tr>
<tr>
<td>Melting Point</td>
<td>1597 °C</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in Water</td>
</tr>
<tr>
<td><strong>Main Inspect Verifier</strong></td>
<td>Manager QC</td>
</tr>
</tbody>
</table>

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

TEM - Fe3O4 Nanoparticles

Particles Size Analysis
Magnetite Nanoparticles