# Specification Sheet

Gold Nanoparticles  
(Au, Purity: 99.9 %, APS: 40-50nm)  
Stock No: NS6130-01-163, CAS: 7440-57-5

<table>
<thead>
<tr>
<th>Product</th>
<th>Gold Nanoparticles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock No</td>
<td>NS6130-01-163</td>
</tr>
<tr>
<td>CAS</td>
<td>7440-57-5</td>
</tr>
<tr>
<td>Purity</td>
<td>99.9%</td>
</tr>
<tr>
<td>APS</td>
<td>40-50nm</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Au</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>196.966 g/mol</td>
</tr>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>Brown</td>
</tr>
<tr>
<td>Density</td>
<td>19.30 g/cm³</td>
</tr>
<tr>
<td>Melting Point</td>
<td>1064 °C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>2970 °C</td>
</tr>
<tr>
<td>Poisson's Ratio</td>
<td>0.44</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 Gold Nanoparticles

SEM - Gold Nanoparticles

Particles Size Analysis - Au Nanopowder