

## Specification Sheet

### Gold Nanoparticle Dispersion

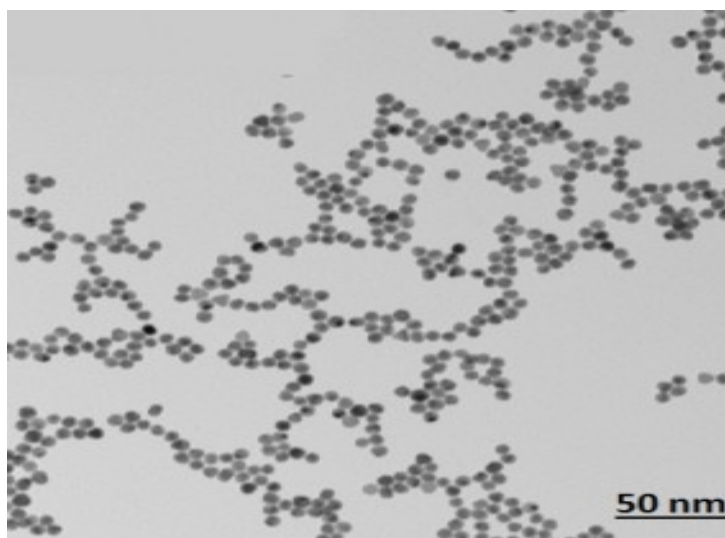
(Au, Purity: 99.9 %, APS: 5nm)

Stock No: NS6130-04-432, CAS: 7440-57-5

<b>Product</b>	:	<b>Gold Nanoparticles Dispersion</b>
Stock No	:	NS6130-04-432
CAS	:	7440-57-5
Purity	:	99.9 %
APS	:	5nm
Molecular Formula	:	Au
Molecular Weight	:	196.97g/mol
Form	:	Liquid
Color	:	Purple/Red
Density	:	19.32 g/cm <sup>3</sup>
Thermal Expansion	:	14.2 $\mu\text{m}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ (25 °C)
Passion Ration	:	0.44
Vickers Hardness	:	216MPa
Young's Modulus	:	79GPs
pH	:	5-7
Concentration	:	2-3 wt% (Available as per Customer requirement)
Dispersing Agent	:	Organic Solvent (DMF), IPA Ethanol, Water (ddH2O)
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Gold Nanoparticle Dispersion



TEM - Gold Nanoparticles



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