

Specification Sheet

Gold Nanoparticle Dispersion

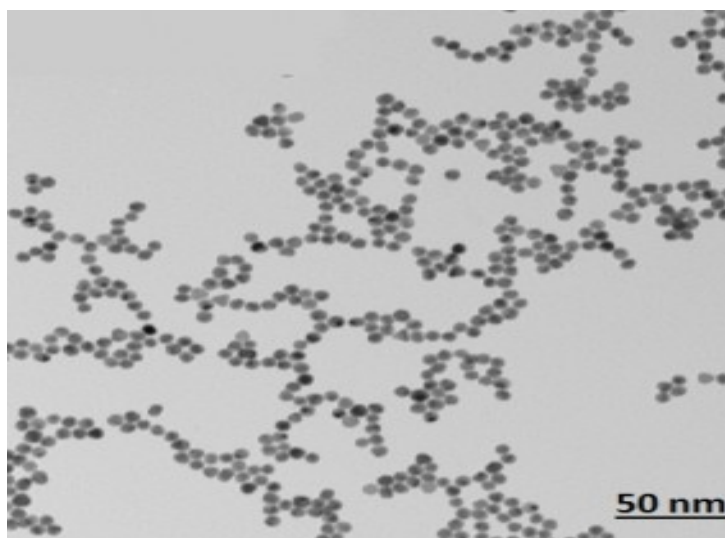
(Au, Purity: 99.9 %, APS: 5nm)

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

Product	:	Gold Nanoparticles Dispersion
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 ³
Thermal Expansion	:	14.2 $\mu\text{m}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ (25 °C)
Poisson's Ratio	:	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 (ddH ₂ O)
Main Inspect Verifier	:	Manager QC

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

Characterization of Gold Nanoparticle Dispersion



TEM - Gold Nanoparticles



NANOSHEL
Creating Miracles in Black