

Technical Data Sheet Gold Nanoparticles (AuNPs)

Properties

Form : Nanoparticles suspension
Shape : Spheric
Diameter (TEM) : 100 nm
Zeta Potential: -00346

Particle Surface : Sodium Citrate
Solvent : Water
pH : 6.36
Concentration : 13,6 nM

Product Description

Colloidal Gold Nanoparticles (AuNPs) have been utilized for centuries by artists due to the vibrant colors produced by their interaction with visible light. Colloidal gold is a sol or colloidal suspension of nanoparticles of gold in a fluid, usually water. The colloid is usually either an intense red colour for spherical particles less than 100 nm or blue/purple for larger spherical particles or nanorods. The field of Gold Nanoparticles applications is increasing day by day due to its strong adsorption high biocompatibility, ability, and large surface area-to-volume ratio. The optical and electronic properties of gold nanoparticles are tunable by changing the size, shape, surface chemistry, or aggregation state.

Application areas: More recently, these unique optoelectronic properties have been researched and utilized in high technology applications such as Biomedical Applications, Therapeutic Agent Delivery, Photodynamic Therapy, Diagnostics, Electrochemical applications, Electronics, Sensors, Probes and Catalysis.

Shipping: Ready to ship in 4 business days.

Storage conditions: +4°C, away from light and do not freeze.

Packaging : 25 mL, 100 mL in glass bottle

Quality Control

