

GOLD NANOSPHERES

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Gold Nanospheres (Au)

are small gold particles with a diameter of 1 to 100 nm which, once dispersed in water, are also known as colloidal gold. The colloid is usually either an intense red color (for spherical particles less than 100 nm) or blue/purple (for larger spherical particles or nanorods). Gold nanospheres have a broad spectrum of application areas including medicine, food industry, water purification, and biological applications. In particular, gold nanospheres are applied to drug-delivery, photo-thermal therapy, imaging, sensing, catalysis, and even antimicrobials. Additionally, gold nanoparticles are suitable for functionalization and antibody conjugation.

Quick Facts

Stock no.	:	NS6130-12-001670
Purity	:	99.99 %
Diameter	:	40nm
Color	:	Liquid Brown/Light Red
Solvent	:	Aqueous Sodium Citrate

PROPERTIES

- ✓ Low viscosity
- ✓ Antimicrobial
- ✓ High surface area
- ✓ Thermal stability
- ✓ Highly active catalysts

APPLICATIONS

- ✓ Textiles
- ✓ Fuel cell
- ✓ Photo-catalysts
- ✓ Medical industry
- ✓ Cosmetics

Au

Slurry, Suspension, Dispersion



ISO 9001:2015
CERTIFIED COMPANY

