

# Colloidal Gold (Au) – Product Information

## Overview

Colloidal Gold is a suspension of ultra-fine gold nanoparticles in purified water. It is widely used in luxury cosmetics, nutraceutical formulations, diagnostic assays, and research applications. Its stability and unique optical/electrical properties make it a versatile material for advanced industries.

## Typical Specifications

• Appearance: Red to purple colloidal solution • Particle size: 10–50 nm (controlled) • Concentration: 10–20 ppm (customizable) • Purity: >99.9% gold nanoparticles • Solvent: Pharmaceutical-grade purified water

## Applications

• High-end skincare and anti-aging cosmetics • Nutraceuticals and wellness tonics • Biosensors, diagnostics, and biomedical research • Conductive inks and advanced material science

## Safety & Regulatory

• Non-toxic at low concentrations; avoid ingestion without regulatory approval • Store in cool, dark place to maintain stability • Handle with clean glassware to prevent contamination

## The Siddhi Advantage

• Consistent particle size and stability ensured by advanced production methods • Batch testing available (UV-Vis, TEM) • Flexible volumes and packaging options • Trusted sourcing and global logistics network