

**NS6130-04-419**

# SILVER COLLOIDAL Dispersion

## Quick Facts

Product	:	Silver Colloidal Dispersion
Stock No	:	NS6130-04-419
CAS	:	7440-22-4
Molecular Formula	:	Ag
Form	:	Liquid

## Technical Specification

Molecular Weight	Purity	APS
107.87 g/mol	99.9%	150nm

Silver nanoparticles (AgNPs) are particles of silver sized 1–100 nm with strong antimicrobial properties. Proper dispersion is important to prevent agglomeration and maintain stability. They are prepared by chemical reduction, physical methods like ultrasonication, and green synthesis using plant extracts. AgNPs are widely used in medicine for wound healing, water purification, food packaging, textiles, and electronics.

- Used in wound dressings for infection control
- Used in water purification and disinfection
- Used in antimicrobial textiles like masks and clothes
- Used in food packaging to extend shelf life
- Used in medical coatings and biosensors

**Ag**  
APS 150nm



\* This image is for graphic purposes only and does not represent the actual product.

