

NS6130-01-103

Quick Facts

Product	:	Silver Nanopowder
Stock No	:	NS6130-01-103
CAS	:	7440-22-4
Molecular Formula	:	Ag
Form	:	Powder

Technical Specification

Molecular Weight	Density	Melting Point	APS
107.87g/mol	10.5g/cm ³	960.8°C	30-50nm

Silver nanoparticles (Ag NPs) have gained significant interest due to their unique optical, antimicrobial, electrical, physical properties and their possible application.

Silver nanoparticles have found a wide range of applications including their use as catalysts, textile engineering, electronics, optics, as anti-reflection coatings, and most importantly in the medical field as a bactericidal and therapeutic agent. Silver nanoparticles are widely used for its unique properties in catalysis, chemical sensing, biosensing, photonics, electronics, and pharmaceuticals.

Silver is used in the formulation of dental resin composites, in coatings of medical devices, as a bactericidal coating in water filters, as an antimicrobial agent in air sanitizer sprays, pillows, respirators, socks, keyboards, detergents, soaps, shampoos, toothpastes, washing machines and many other consumer products, in bone cement and in many wound dressings.

SILVER

Nanoparticles
in Medicine

Purity
99.9%

Ag

APS 30-50nm



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