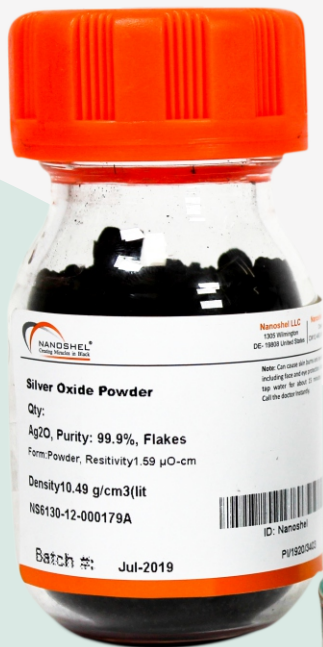


SILVEROXIDE NANOPOWDER



Purity
99.9%

Ag₂O



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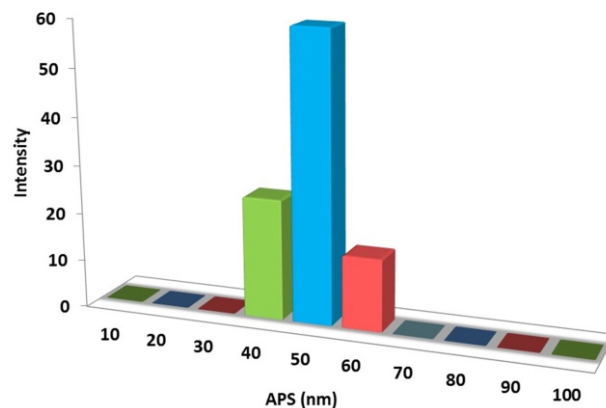
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SILVER OXIDE NANOPOWDER

Silver (I) oxide is the chemical compound and its chemical formula is Ag_2O . Ag_2O shows linear structure, two-coordinate Ag centers joined by tetrahedral oxides. It is photosensitive material. This oxide is utilized in silver-oxide battery. In organic chemistry, it is used as a mild oxidizing agent. It exhibits unique physical, chemical and biological properties. So this compound is the most extensively employed nanoparticles in wound dressings, antimicrobial coatings, cosmetics and anticancer chemotherapy. These nanoparticles are used as antimicrobial agents due to their production costs are low. These nanoparticles are synthesized by some commonly chemical approaches includes chemical reduction using a variety of organic and inorganic reducing agents, electrochemical techniques, physicochemical reduction, and radiolysis.

QuickFACTS

Product	:	Silver Oxide Nanopowder
Stock No	:	NS6130-12-000179
CAS	:	20667-12-3
Color	:	Gray/black/brown
Form	:	Powder
Symbol	:	Ag_2O



ADDITIONAL POWDER CHARACTERISTICS

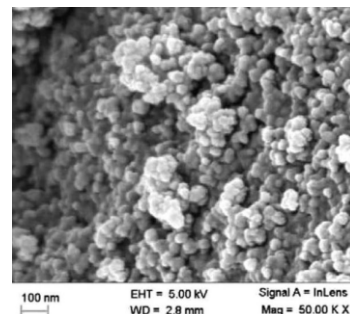
Stock No.	Purity	APS
NS6130-12-000179	99.9%	50nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
Ag_2O	231.74 g/mol	7.14 g/cm ³	280 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	Ag_2O	Other Metal
Silver Oxide Nanopowder	99.9%	1000ppm



APPLICATIONS

- > Oxidation catalysis
- > Sensors
- > Fuel cells
- > photovoltaic cells
- > All-optical switching devices and used in optical data storage systems
- > As a diagnostic biological probes



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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