

SILVER COATED



Aluminum
Nanopowder

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NEXT

Silver Coated Aluminum Nanopowder



APPLICATIONS

- ✓ Antimicrobial coatings
- ✓ Textiles
- ✓ Keyboards
- ✓ Wound dressings
- ✓ Biomedical devices
- ✓ Fuel in propellants
- ✓ Automobiles
- ✓ Aircraft, heat shielding coating of aircraft,
- ✓ Corrosion

Quick FACTS

Product	: Silver Coated Aluminum Nanopowder
Stock No	: NS6130-01-190
CAS	: 7429-90-5
Color	: Black /Grey
Form	: Powder

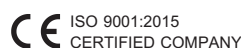
Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-01-190	>99+ %	80nm

Silver is a photosensitive material. 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. Aluminum nanoparticles exhibit unique properties. So

these nanoparticles are suitable in a distinct application for instance automobiles, aircraft, heat shielding coating of aircraft, corrosion, military application {rocket fuel and coolant}. Aluminum nanoparticles also have high capacity hydrogen storage materials.



Technical Specification

Molecular Formula	Melting Point	Boiling Point
Al/Ag	660.37 °C	2519 °C

Properties

- ✓ Chemical Symbol: Al/Ag
- ✓ CAS No.: 7429-90-5

Chemical Composition

Product	Weight Percent (nominal)	
	Al/Ag	Other Metal
Silver Coated Aluminum Nanopowder	99.9 %	<5000 ppm

Ordering Information and Stock Availability

- ✓ Product: Silver Coated Aluminum Nanopowder
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-01-190

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/silver-coated-aluminum>

