

Technical Data Sheet

Silver

Compound Information

Product Name:	Silver
CAS No.:	7440-22-4
Molecular Formula:	Ag
Molecular Weight:	107.87
Storage:	Store at RT
Revision Date:	2026-04-15

Ag

Analytical Information

Tests	Specifications
Appearance	Black nanopowder
Density	1.135 g/mL at 25 °C
Trace Impurities	Typical Impurities: Aluminium (Al): < 10 ppm, Arsenic (As): < 1 ppm, Lead (Pb): < 10 ppm, Copper (Cu): < 40 ppm, Iron (Fe): < 80 ppm, Nickel (Ni): < 20 ppm, Silicon (Si): < 30 ppm, Antimony (Sb): < 1 ppm
Mesh Size	APS 30-50 nm, SSA 5 - 10 m ² /g
Purity	≥ 99.9% (Trace metals basis)
Additional Information	Coated with ~0.2wt% oleic acid for easy dispersing, and eliminating oxygen content and aggregation. For Laboratory Use Only

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