

# *Chem-Impex International, Inc.*

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## *Product Specifications*

Ag

**Catalogue Number** 46540

**Product** **Silver nanopowder,  
oleic acid coated (30-50 nm)**

**CAS Number** 7440-22-4

**Molecular Formula** Ag

**Molecular Weight** 107.87

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**Appearance** Black nanopowder

**Density** Bulk density 0.9g/cm<sup>3</sup>, True density 10.5 g/cm<sup>3</sup>

**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<sup>2</sup>/g

**Purity** ≥ 99.9% (Trace metals basis)

**Storage** Store at RT

**Additional Information** Coated with ~0.2wt% oleic acid for easy dispersing, and eliminating oxygen content and aggregation.

**For Laboratory Use Only**