

# *Chem-Impex International, Inc.*

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## *Product Specifications*

# Ag

<b>Catalogue Number</b>	46538
<b>Product</b>	<b>Silver nanopowder (20~30 nm)</b>
<b>CAS Number</b>	7440-22-4
<b>Molecular Formula</b>	Ag
<b>Molecular Weight</b>	107.87

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<b>Appearance</b>	Dark grey powder
<b>Density</b>	Bulk density 1.0 g/cm <sup>3</sup> , True density 10.5 g/cm <sup>3</sup>
<b>Trace Metal Analysis</b>	Al : ≤ 100 ppm, Fe : ≤ 100 ppm, As : ≤ 5 ppm, Ni : ≤ 60ppm, Pb : ≤ 10 ppm, Si : ≤ 30 ppm, Cu : ≤ 100 ppm, Bi : ≤ 60 ppm
<b>Mesh Size</b>	APS 20~30 nm, SSA ~20 m <sup>2</sup> /g
<b>Purity</b>	≥ 99.95% (Trace metals basis)
<b>Application</b>	A versatile substance with pharmacological, anti-microbial, conductive, and chemical applications, silver nanopowder/nanoparticles appear as colored powders available in various granule sizes and coatings.
<b>Storage</b>	Store at RT

**For Laboratory Use Only**