

Technical Data Sheet

Silver powder

Revision Date:8/18/2025

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Silver powder
Product code	NM-0038-UP
CAS	7440-22-4
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Silver
CAS No.	7440-22-4
Empirical Formula	Ag
Molecular weight	107.87 g/mol
Purity	99.9%
Morphology	spherical
Average Particle Size	50 – 60 nm
Specific Surface Area	~12 m ² /g
Relative Density	10.49 g/cm ³
Bulk Density	0.35 g/cm ³

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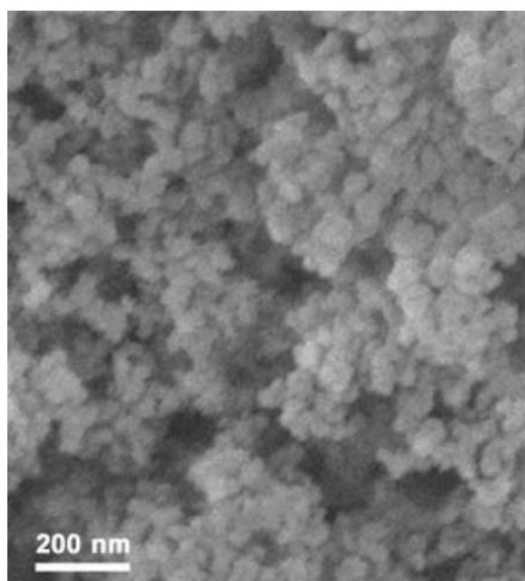
Melting point 960.8°C

Boiling point 2210°C

3 CONTENT OF IMPURITIES

Impurity	Content
Al	< 200 ppm
As	< 5 ppm
Bi	< 100 ppm
Cu	< 100 ppm
Fe	< 200 ppm
Ni	< 100 ppm
Si	< 50 ppm

4 TEM IMAGE



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5 OTHER INFORMATION

DISCLAIMER

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