

Precious Metal Powder

Ag 300-01

Silver Powder

Description

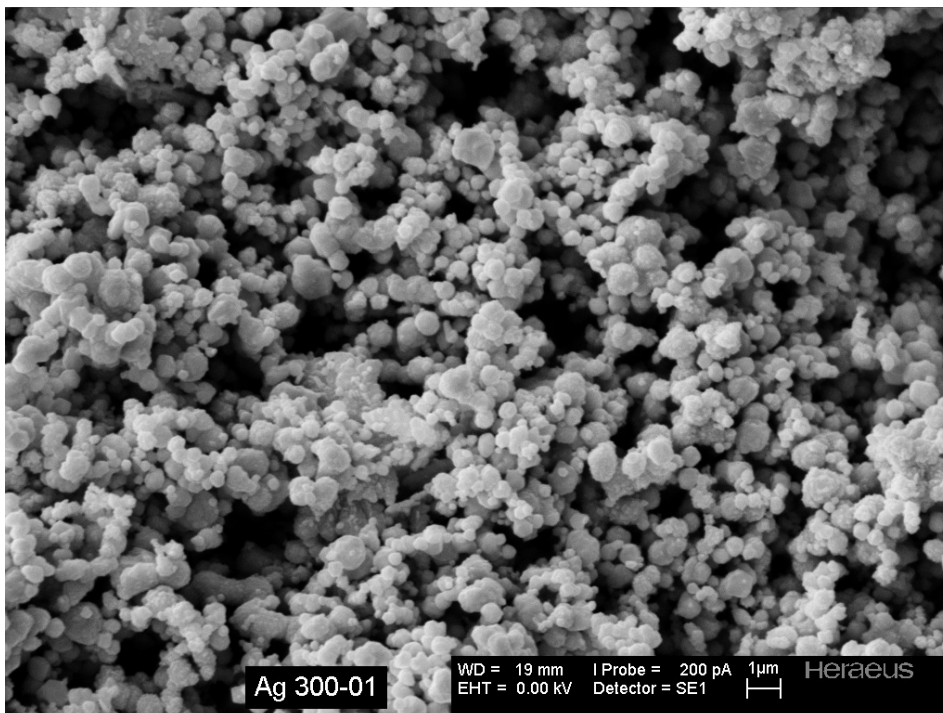
Ag 300-01 is a chemically precipitated spherical silver powder with a high purity (> 99.9%).

These powders exhibit a tight particle size distribution and excellent dispersion properties.

Typical Properties

Surface Area ¹⁾ :	0.5 – 2.0 [m ² /g]
Apparent Density ²⁾ :	0.8 – 2.5 [g/cm ³]
TAP Density ³⁾ :	1.2 – 3.5 [g/cm ³]
Reduction Loss ⁴⁾ :	< 0.5 [%]
Particle Size Distribution ⁵⁾	
D90	< 8.0 [μm]
D50	< 5.0 [μm]
D10	< 2.0 [μm]

- 1) B.E.T. Gemini 2360
- 2) TAP-Pak Volumeter
- 3) TAP-Pak Volumeter
- 4) 0.1 hour in H₂
- 5) Sedigraph 5100



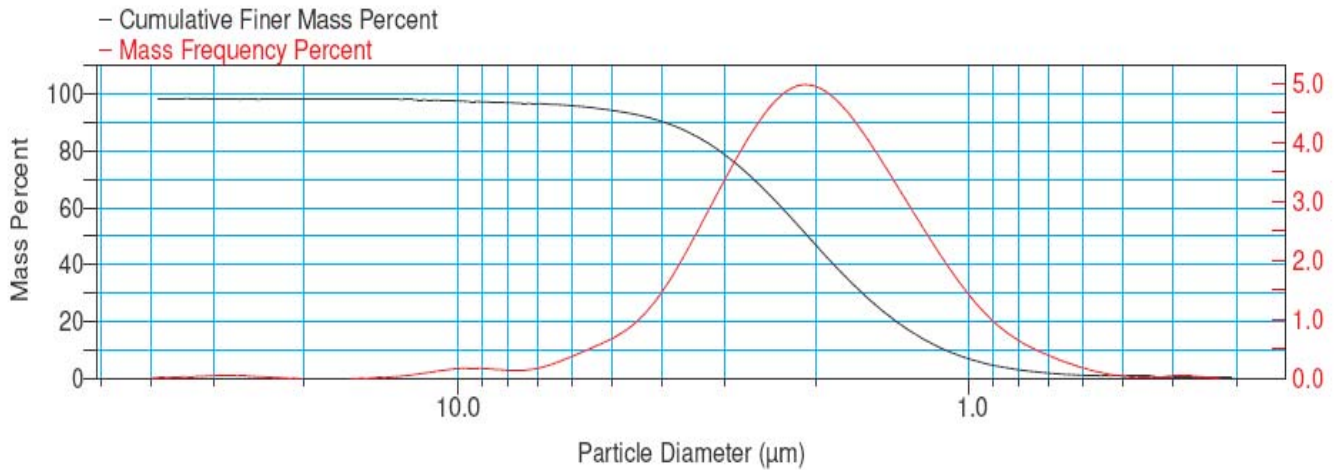
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Typical Particle Size Distribution

Cumulative Finer Mass Percent vs. Diameter



The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

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