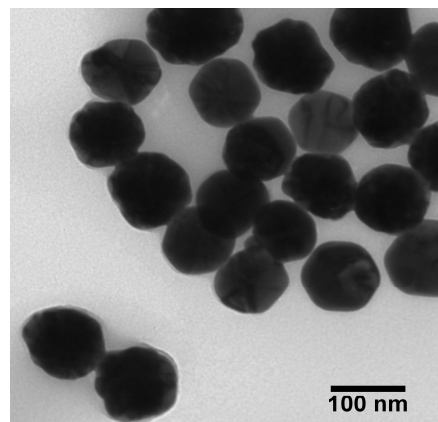
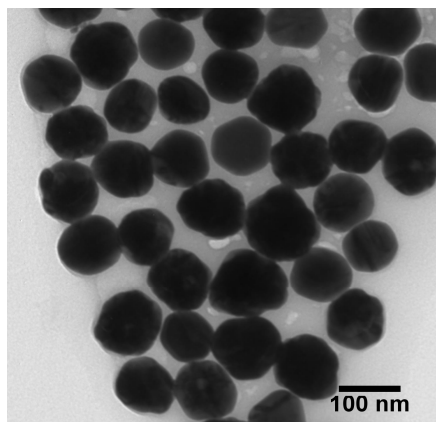
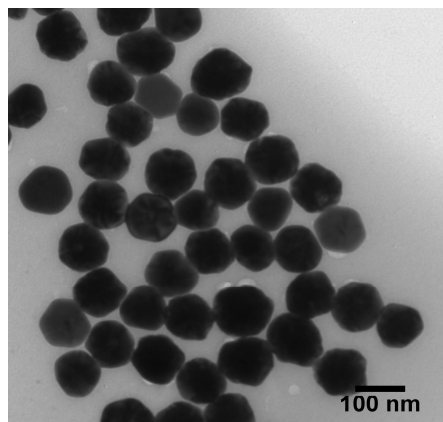


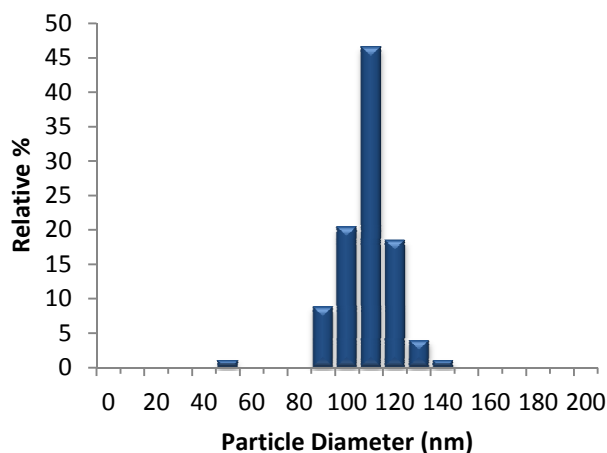
# 100 nm PVP Redispersible Silver Nanoparticles

Lot Number: KJW1852-MGM2281K

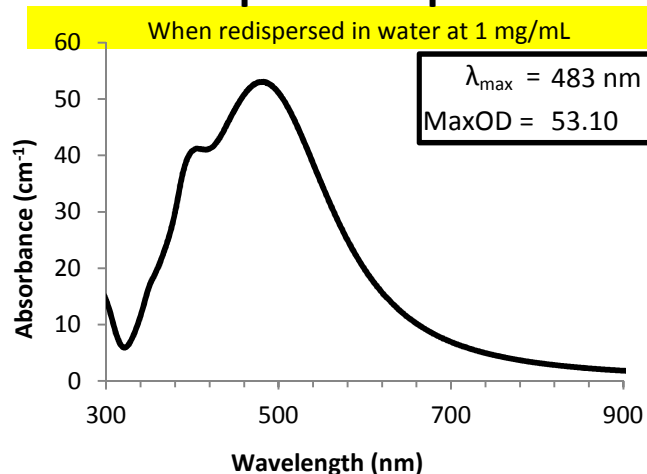
|                                  |                        |                                  |              |
|----------------------------------|------------------------|----------------------------------|--------------|
| <b>Diameter (TEM):</b>           | 103.0 nm               | <b>Particle Surface:</b>         | PVP          |
| <b>First Standard Deviation:</b> | 11.0 nm                | <b>Particle Form:</b>            | Powder       |
| <b>Coefficient of Variation:</b> | 10.7 %                 | <b>Mass Concentration (Ag):</b>  | 3 % by mass  |
| <b>Surface Area (TEM):</b>       | 5.43 m <sup>2</sup> /g | <b>Mass Concentration (PVP):</b> | 97 % by mass |



## Size Distribution



## Optical Properties



## Characterization Instrumentation

|  |  |
|--|--|
| <b>Diameter and Size Statistics:</b>         | JEOL 1010 Transmission Electron Microscope |
| <b>Mass Concentration:</b>                   | Thermo Fisher X Series 2 ICP-MS            |
| <b>Spectral Properties:</b>                  | Agilent 8453 UV-Visible Spectrometer       |
| <b>Hydrodynamic Diameter/Zeta Potential:</b> | Malvern Zetasizer Nano ZS.                 |

Storage and Handling: Cool, dry place away from light.  
DO NOT FREEZE. AVOID INHALATION. Sonicate to resuspend.