

## Product Specification

### Silver Nanoparticles

#### Product Description

|                   |  |
|-------------------|--|
| Name:             | Silver Nanoparticles   |
| Chemical Formula: | Ag (CAS No.7440-22-4)  |
| Product Code:     | ag-103   |
| Applications:     | Antibacterial Agents, Disinfectant, Additives, Catalyst, Surface Coating, SERS Substrates, Plasmonics, Electronics |

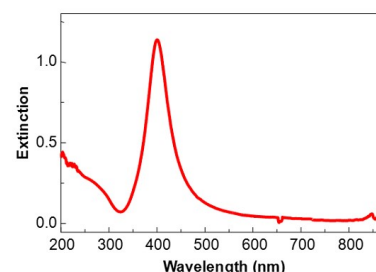
#### Properties

|                        |                    |
|------------------------|--------------------|
| Appearance:            | Dark Brown Colloid |
| Average Particle Size: | 5-20 nm            |
| Particle Shape:        | Nanospheres        |
| Method of Synthesis:   | Chemical Reduction |
| Solvent:               | Deionized Water    |
| Stabilizing Agents:    | Soluble Starch     |
| Silver Concentration:  | 1,000 mg/L (ppm)   |
| pH:                    | 6±1                |
| Specific Gravity:      | 1.01 g/mL          |



#### Characterization

|             |   |
|-------------|---|
| Method:     | UV-Vis Spectrometer                         |
| Absorbance: | Plasmon extinction peak maxima at 400±10 nm |



#### Packaging & Delivery

|                   |   |
|-------------------|---|
| Package Size:     | 10 mL, 50 mL, 100 mL, 1 L and 10 L  |
| Price & Delivery: | Please contact our sale representatives at sale.primenano@gmail.com for price and delivery information of this product. |