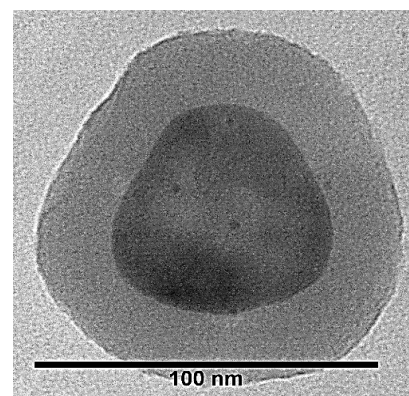
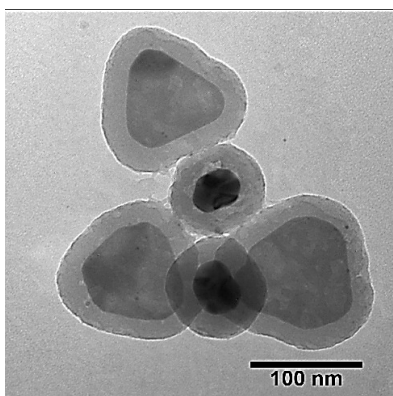
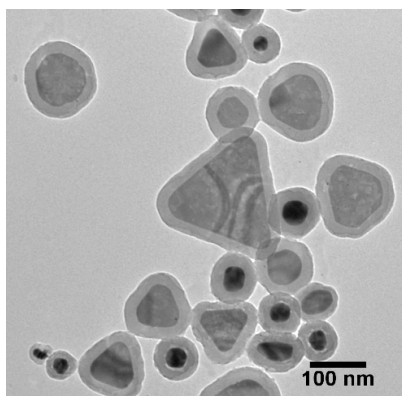


Silica Shelled Silver Nanoplates, Peak Absorbance @ 800 nm, NanoXact™

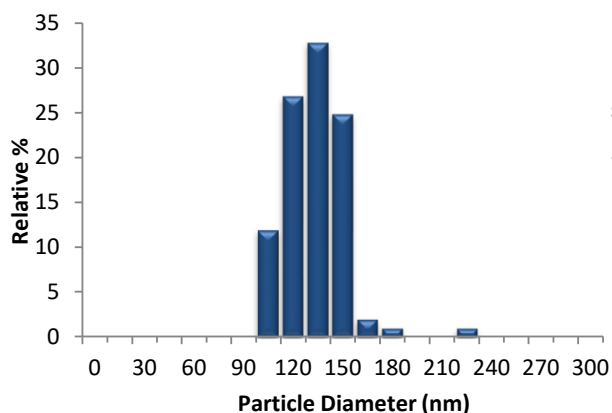
Product Number: SPSH800

Lot Number: KJW2161

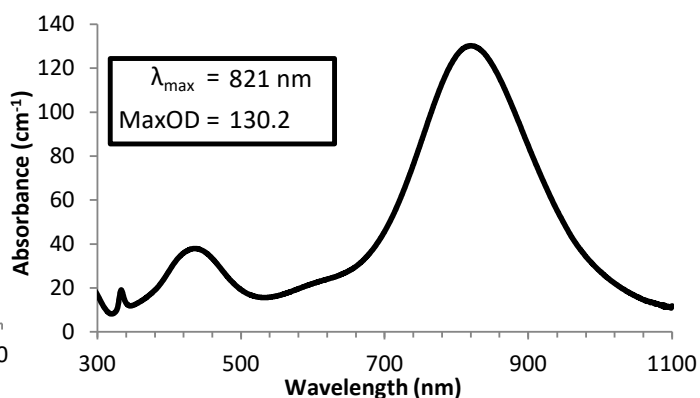
Total Diameter ± Std.Dev (TEM):	125 ± 18 nm	Mass Concentration (Ag):	0.95 mg/mL
Coefficient of Variation:	14.0 %	pH of Solution:	8.6
Core Diameter ± Std.Dev (TEM):	83 ± 18 nm	Particle Surface:	Silanol
Shell Thickness (TEM):	21 nm	Solvent:	Aqueous 10mM Bicarbonate Buffer
% Absorbance at 800 nm:	96.6 %		
OD at 800 nm:	125.7		



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:
Mass Concentration:
Spectral Properties:
pH:

JEOL 1010 Transmission Electron Microscope; Image J
 Thermo Fisher X Series 2 ICP-MS
 Agilent 8453 UV-Visible Spectrometer
 Horiba - Laqua Twin pH Meter

Shake vigorously before use. Bath sonicate if needed. Storage: 2-8 °C away from light. DO NOT FREEZE.