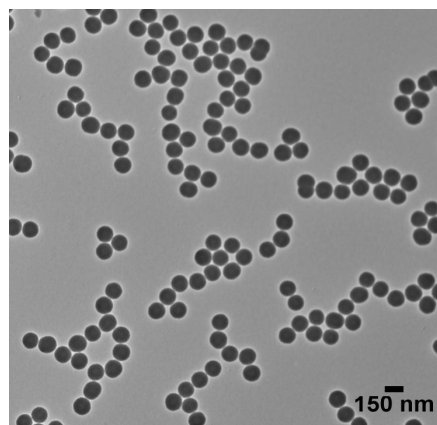
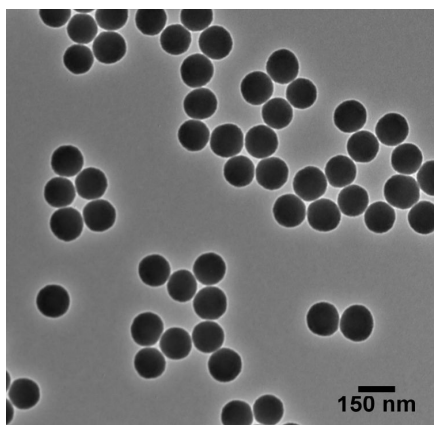
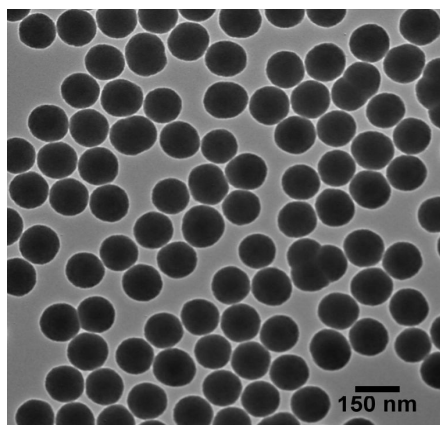


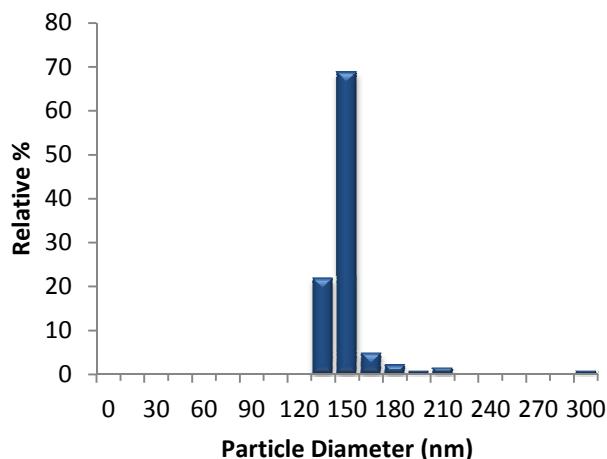
# 140 nm Non-Functionalized Silica Nanoparticles

Lot Number: DAC1086

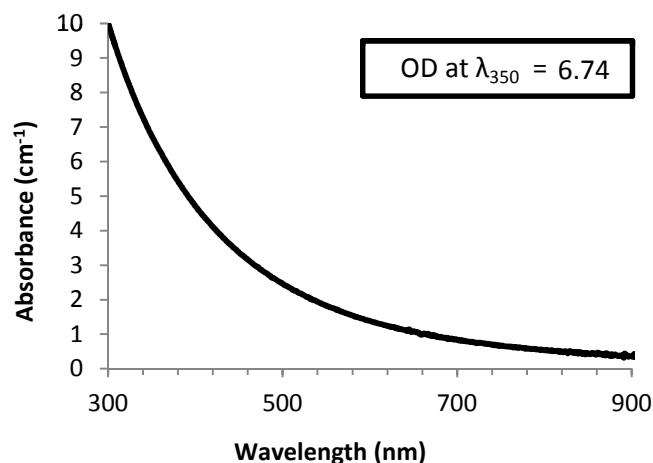
<b>Diameter (TEM):</b>	142.4 nm	<b>Hydrodynamic Diameter:</b>	150.4 nm
<b>First Standard Deviation:</b>	16.5 nm	<b>Zeta Potential:</b>	-42.6 mV
<b>Coefficient of Variation:</b>	11.6 %	<b>pH of Solution:</b>	8.8
<b>TEM - calculated BET:</b>	18.5 m <sup>2</sup> /g	<b>Particle Surface:</b>	Silanol
<b>Mass Concentration:</b>	10.6 mg/mL	<b>Solvent:</b>	Milli-Q Water
<b>Particle Concentration:</b>	3.2E+12 particles/mL		



## 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.

Shake vigorously before use. Bath sonicate if needed.