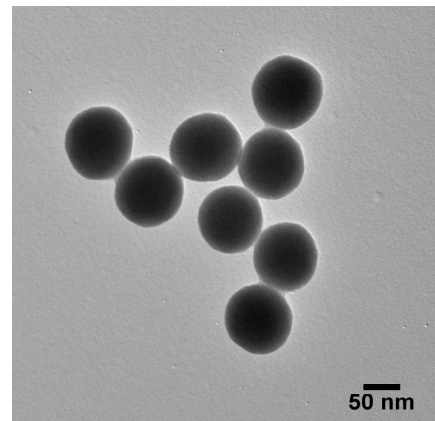
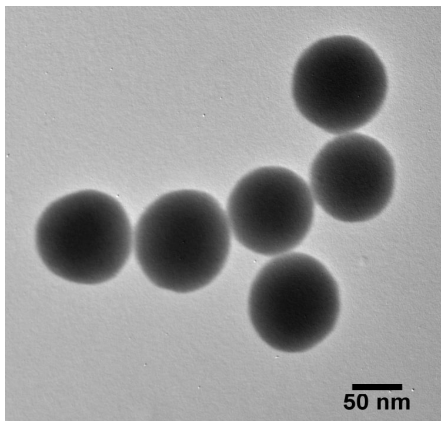
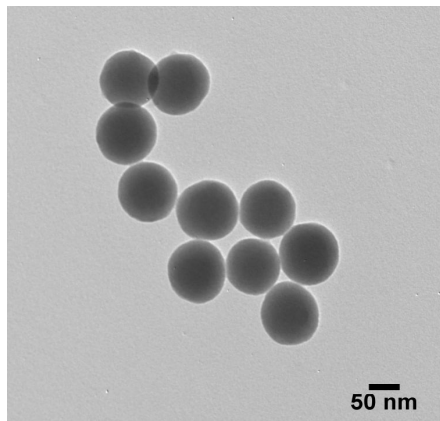


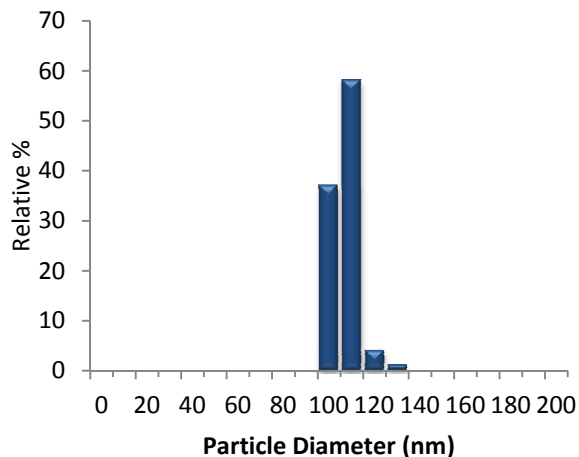
# 100 nm Amine-Terminated NanoXact™ Silica

Lot Number: DMW0028

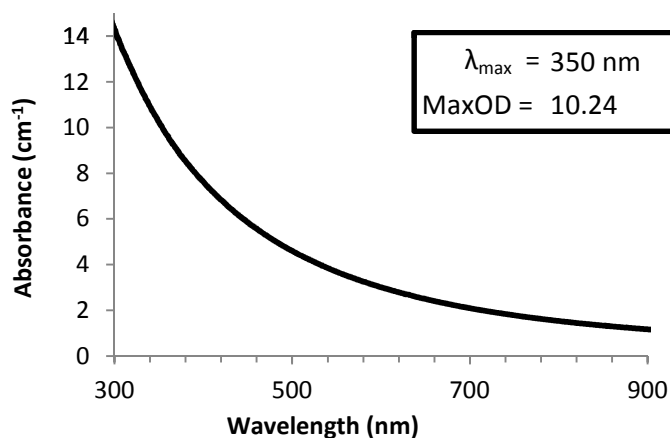
<b>Diameter (TEM):</b>	102.0 ± 5.3 nm	<b>Hydrodynamic Diameter (pH 7):</b>	152.5 nm
<b>Coefficient of Variation:</b>	5.2 %	<b>Zeta Potential (pH 7):</b>	29.6 mV
<b>Surface Area (TEM):</b>	26.6 m <sup>2</sup> /g	<b>pH of Solution:</b>	9.2
<b>Mass Concentration (SiO<sub>2</sub>):</b>	10.3 mg/mL	<b>Particle Surface:</b>	Amine Terminated
<b>Particle Concentration:</b>	8.4E+12 particles/mL	<b>Solvent:</b>	Ethanol



## Size Distribution



## Optical Properties



## Characterization Instrumentation

**Diameter and Size Statistics:**

**Mass Concentration:**

**Spectral Properties:**

**Hydrodynamic Diameter/Zeta Potential:**

JEOL 1010 Transmission Electron Microscope

Gravimetric Analysis- AND HM-202

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS.

Shake vigorously before use. Bath sonicate if needed. Storage: 25°C. DO NOT FREEZE.