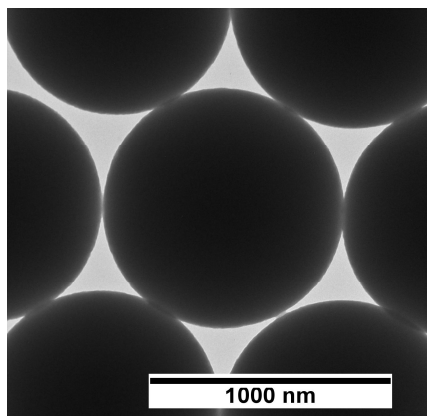
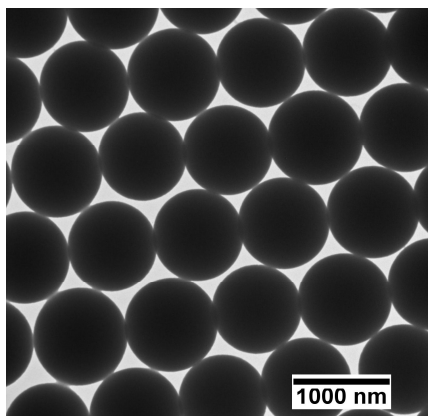
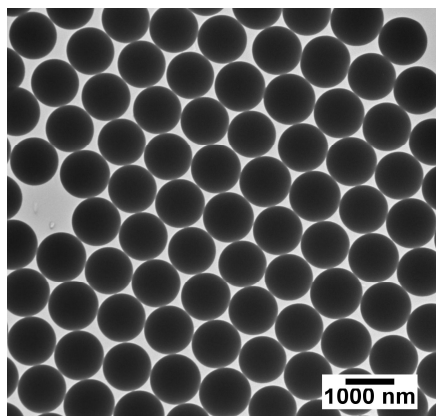


# 1 $\mu\text{m}$ Silica Nanospheres, NanoXact™, Dried

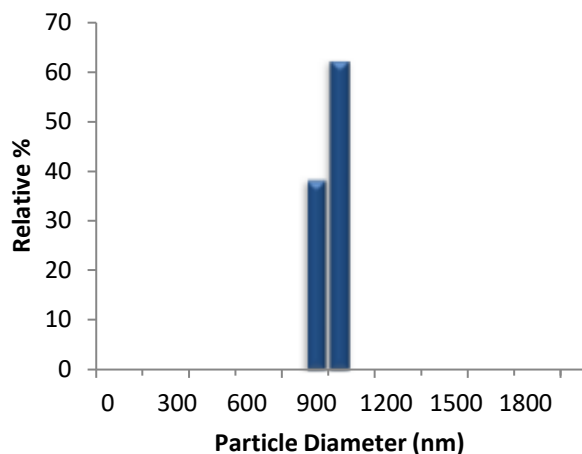
**Product Number:** SISD1000

**Lot Number:** TJC0334-TJC0365

<b>Diameter <math>\pm</math> Std.Dev (TEM)*</b>	1013 $\pm$ 30 nm	<b>Particle Form:</b>	Powder
<b>Coefficient of Variation*:</b>	3.0 %	<b>Particle Surface:</b>	Silanol
<b>Surface Area (Calc'd):</b>	2.7 m <sup>2</sup> /g particles	<b>Mass Concentration (SiO<sub>2</sub>):</b>	> 99 %

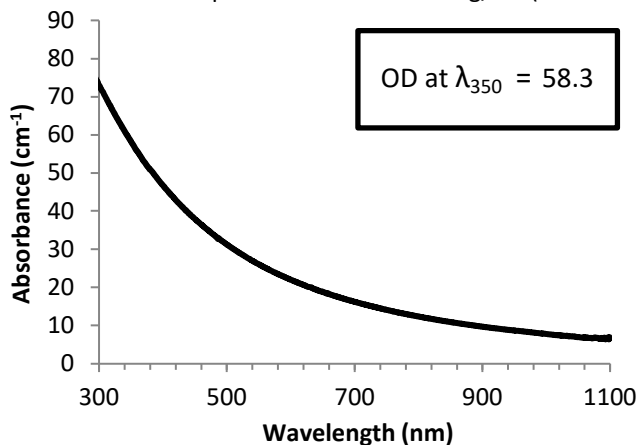


## Size Distribution



## Optical Properties

When redispersed in water at 10 mg/mL (SiO<sub>2</sub> basis)



### Characterization Instrumentation

<b>Diameter and Size Statistics:</b>	JEOL 1010 Transmission Electron Microscope; ImageJ
<b>Mass Concentration:</b>	AND HM-202 Analytical Balance (Gravimetric Analysis)
<b>Spectral Properties:</b>	Agilent 8453 UV-Visible Spectrometer

Storage: Cool and dry place.

**DO NOT FREEZE. AVOID INHALATION. Sonicate to resuspend.**

Note: Mass listed on vial represents mass of metal/metal-oxide only. See above for total mass details.