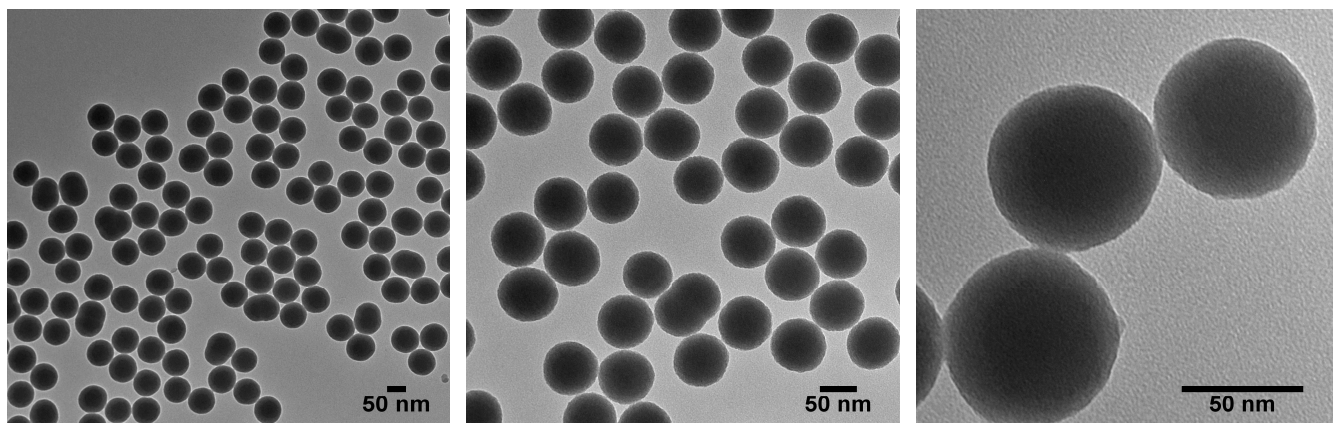


80 nm Silica Nanospheres, NanoXact™

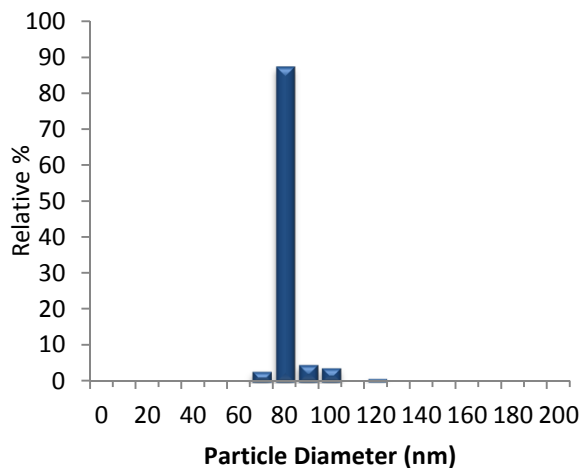
Product Number: SISN80

Lot Number: DRB0035

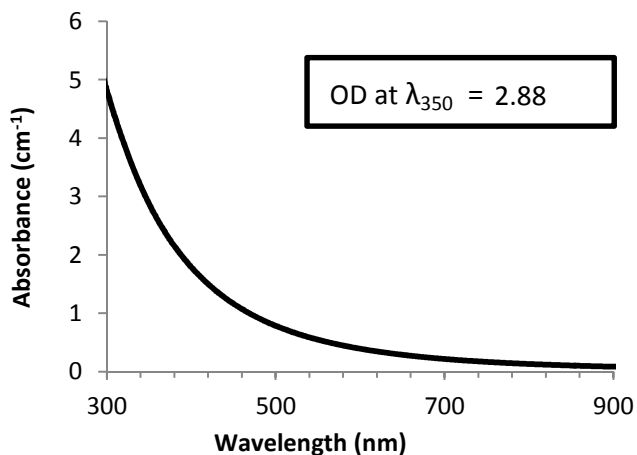
Diameter ± Std.Dev (TEM):	76 ± 6 nm	Hydrodynamic Diameter:	91 nm
Coefficient of Variation:	7.7 %	Zeta Potential:	-69 mV
Surface Area (Calc'd):	35.3 m ² /g	pH of Solution:	7.2
Mass Concentration (SiO₂):	10.8 mg/mL	Particle Surface:	Silanol
Particle Concentration (Calc'd):	2.1E+13 particles/mL	Solvent:	Milli-Q Water



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:

Mass Concentration:

Spectral Properties:

Hydrodynamic Diameter/Zeta Potential:

pH:

JEOL 1010 Transmission Electron Microscope

Gravimetric Analysis- AND HM-202

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS

Horiba - Laqua Twin pH Meter

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