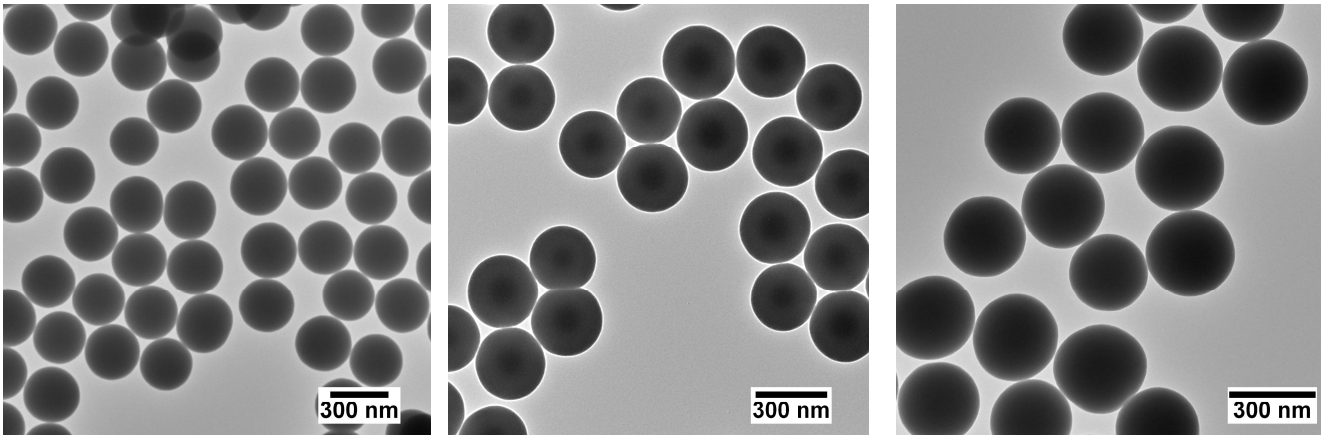
nanoComposix

Certificate of Analysis

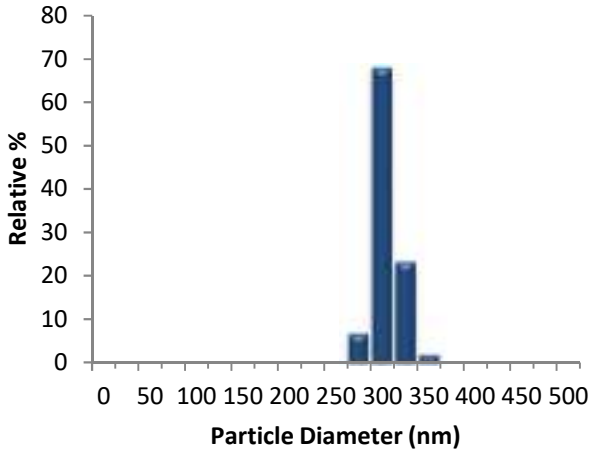
300 nm Silica Nanospheres, Aminated, NanoXact™, Dried

Product Number: SIAD300 **Lot Number: JLF0072-TJC0143**

Diameter ± Std.Dev (TEM)*	293 ± 12 nm	**Particle Form:**	Powder
Coefficient of Variation*:	4.0 %	**Particle Surface:**	Aminated/Cationic
Surface Area (Calc'd):	9.3 $m^2/g_{\ particles}$	**Mass Concentration (SiO_2):**	> 99 %

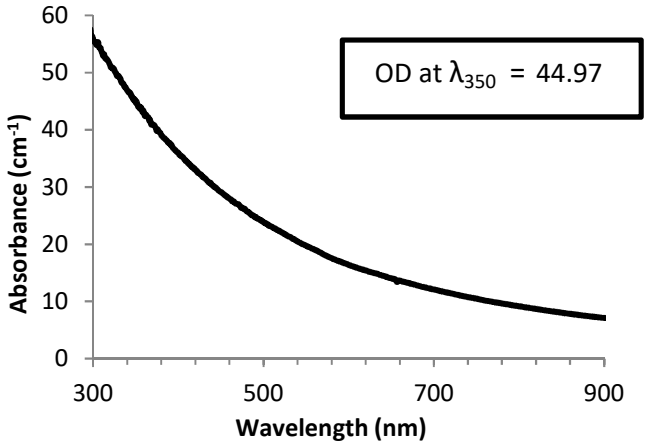


Size Distribution



Optical Properties

When redispersed in Ethanol at 10 mg/mL



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope; ImageJ
Mass Concentration:	AND HM-202 Analytical Balance (Gravimetric Analysis)
Spectral Properties:	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.

*Particle size data is based on measurements of singlet particles only.

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