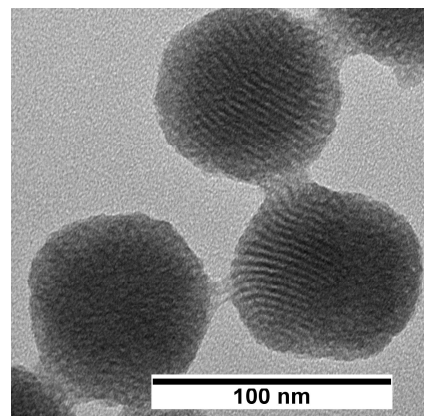
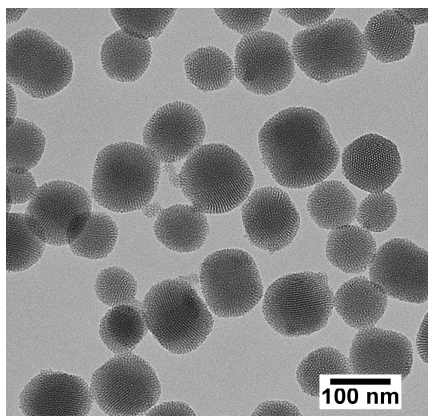
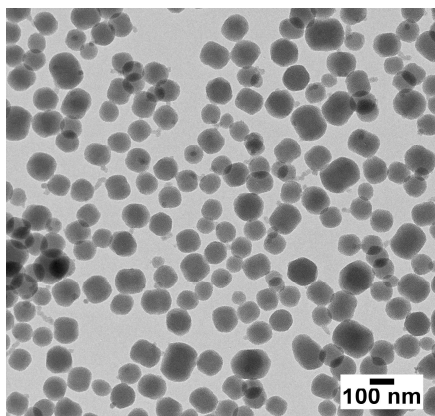


**100 nm Mesoporous Silica Nanospheres, Hexagonal, NanoXact™, Dried**

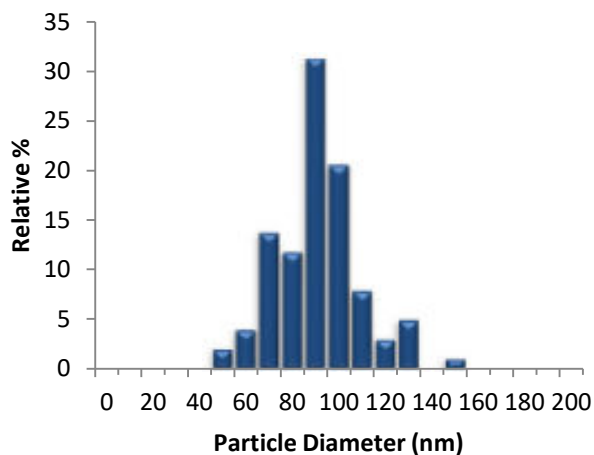
Product Number: SHSD100

Lot Number: MPP0122-RXG0039

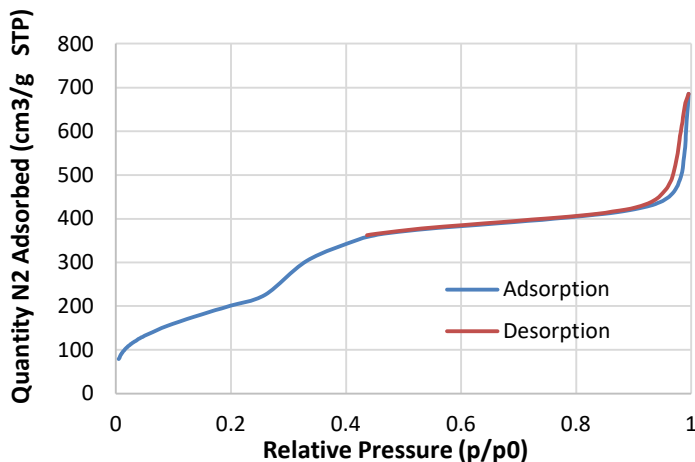
<b>Diameter (TEM):</b>	96 nm	<b>Particle Form:</b>	Powder
<b>Coefficient of Variation:</b>	18.3 %	<b>Particle Surface:</b>	Silanol
<b>Surface Area (BET):</b>	759 m <sup>2</sup> /g particles	<b>Mass Concentration (SiO<sub>2</sub>):</b>	> 99 %
<b>Pore volume (BET):</b>	0.707 cm <sup>3</sup> /g		
<b>Pore diameter (BET):</b>	3.18 nm		



**Size Distribution**



**Adsorption/Desorption Isotherm**



**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>Nitrogen adsorption (BET):</b>	Micromeritics Tristar II

Shipping and 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.