

## NexSil™ DP7500 Series Ultra High Purity Colloidal Silica

### PRODUCT DESCRIPTION

NexSil DP7500 series colloidal silica is being introduced on a developmental basis in 2017. The products are ultra high purity sols produced in a proprietary Nyacol process. All metals are less than 1 ppm total and most metals are in the 50 – 100 ppb range.

The initial product offerings are 25 nm, 60 nm and 100 nm. The products are low in viscosity and relatively narrow in particle size distribution. They are supplied at pH 8 and are non-hazardous.

### TYPICAL PROPERTIES

	<u>NexSil DP7525</u>	<u>NexSil DP7560</u>	<u>NexSil DP7590</u>
Appearance:	Clear	Translucent	Milky
SiO <sub>2</sub> , %:	12	20	20
pH:	7 – 9	7 – 9	7 – 9
Particle Size, Z-Avg.:	20 – 30	50 – 60	90 – 110
Specific Surface Area, m <sup>2</sup> /g:	180	100	60
Viscosity, cP:	3 – 10	3 – 10	3 – 10
Zeta potential:	Negative	Negative	Negative

### TYPICAL METALS, DP7500 SERIES

Na, ppm:	≤1.0	Cu, ppm:	0.02
K, ppm:	<0.5	Mg, ppm:	0.02
Al, ppm:	0.2	Ba, ppm:	0.1
Ca, ppm:	0.2	Fe, ppm:	<1.0

FIGURE 1: NexSil DP7525 PSD

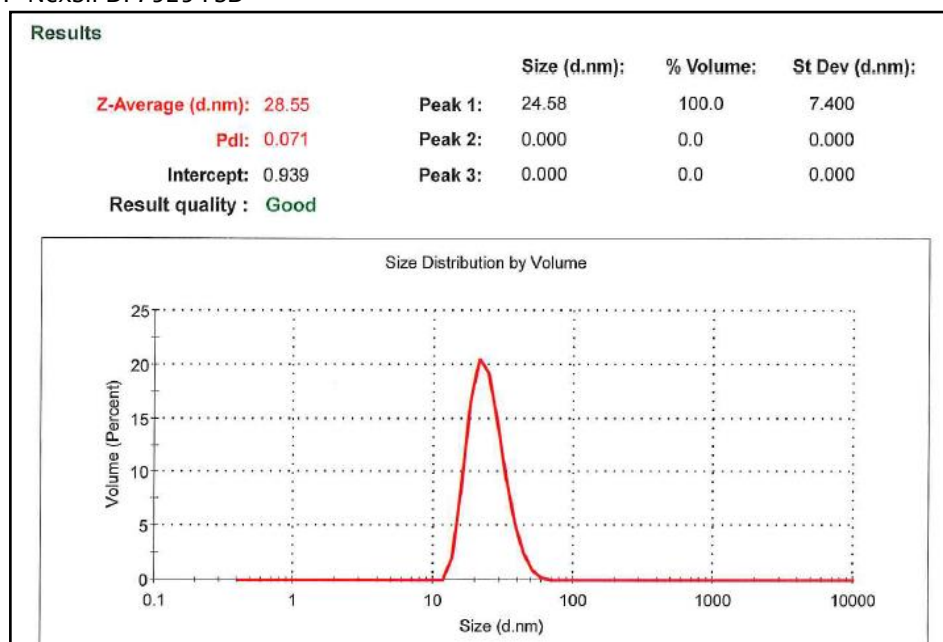




FIGURE 2: NexSil DP7560 PSD

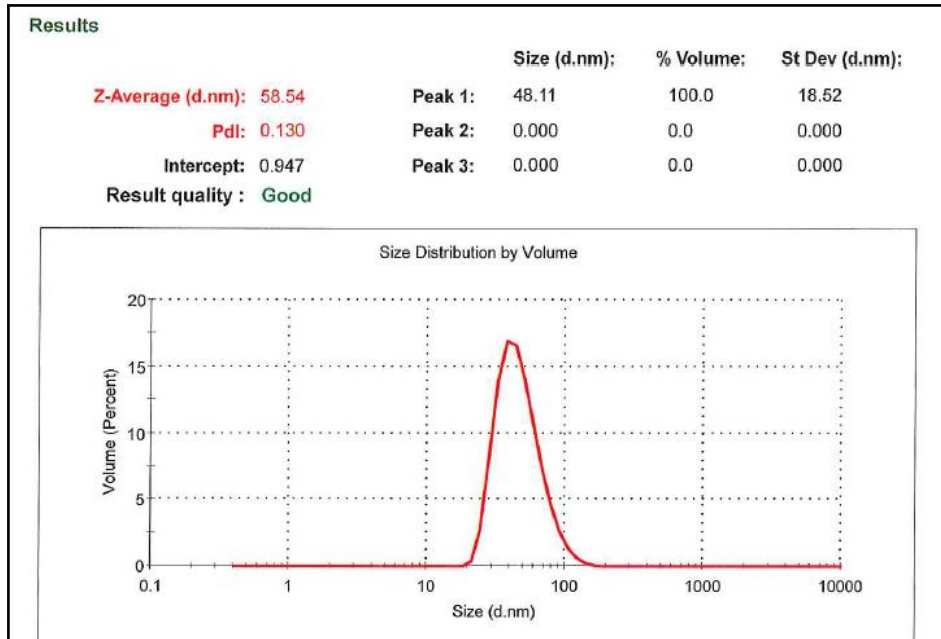
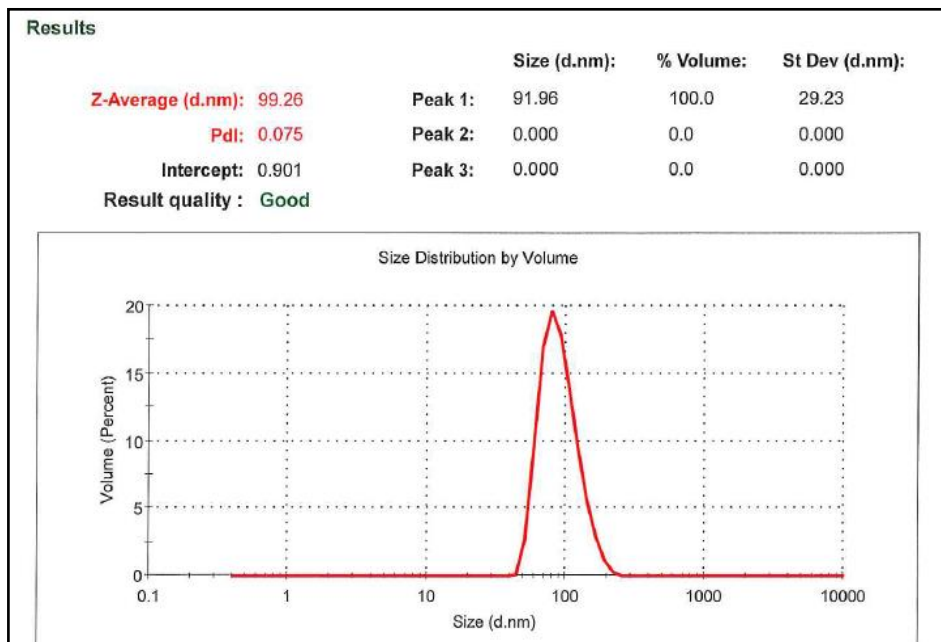


FIGURE 3: NexSil DP7590 PSD





DATA SHEET  
*New in 2017: NexSil™ DP7500 Series*

#### PACKAGING

NexSil DP7500 series colloidal silica is available in 5-gallon pails and 55-gallon drums.

#### STORAGE

The products should be stored above 32°F (0°C) to protect from freezing.

#### FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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