

# NDSilver Pre-Dispersion: S2-30W

## Technical Data Sheet

  
NanoDynamics™  
DATA/INFO

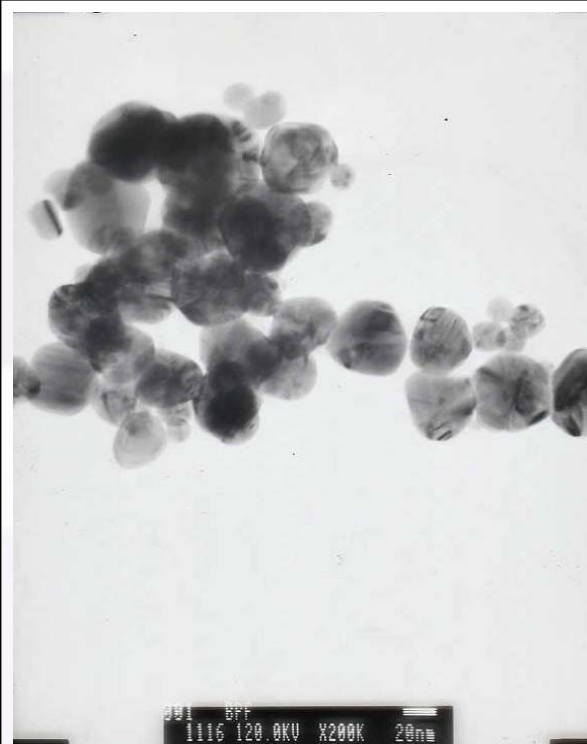
### Product Description:

25-45 nm nominal silver particles  
Pre-dispersed in water

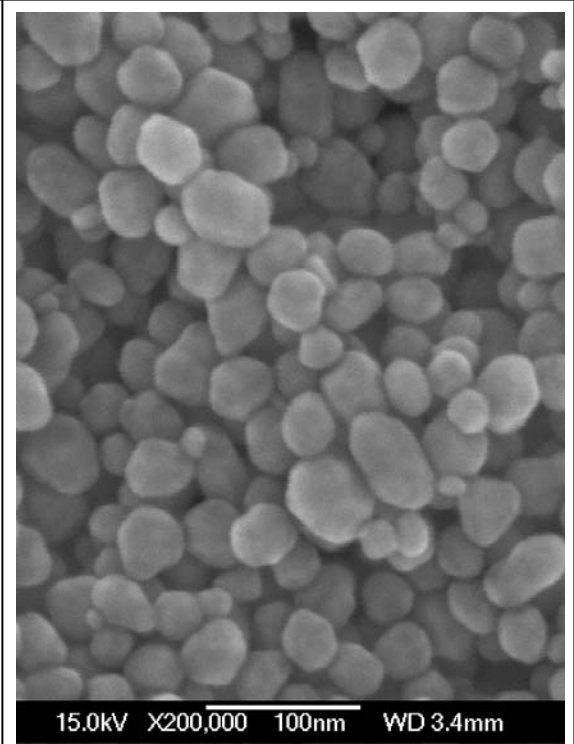
### Typical Properties:

Average Particle Size (SEM)	38 nm
Typical Solids Content (LOD @ 110°C)	35-50 wt%
Surface Area	10-16 m <sup>2</sup> /g
Total Oxygen	< 2.0 wt%
Total Carbon	< 1.2 wt%

TEM Image (Typical)



SEM Image (Typical)



## Application Information for NDSilver Pre-Dispersions:

- NDSilver Pre-Dispersions can be best described as silver particles, provided as a wet raw material. They are provided wet in order to facilitate handling, as well as the dispersion of the materials into your final systems.
- NDSilver Pre-Dispersions consist of high-purity, mono-sized, nanosilver particles in raw material form. In order to minimize organic content, no dispersants or surfactants have been added. NDSilver Pre-Dispersions are not engineered to be stable dispersions or printable paste systems.
- In order to ensure a homogenous mixture, these systems require mechanical mixing. Agitate/mix material prior to use.

The values reported on this data sheet are to be considered typical and do not imply essential representation of the product specification. The information contained herein is believed to be accurate and reliable but is presented WITHOUT GUARANTEE OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS on the part of NANODYNAMICS, INC. Further, nothing presented herein should be interpreted as an authorization or inducement to infringe any relevant patent. UNDER NO CIRCUMSTANCES SHALL NANODYNAMICS, INC. BE LIABLE FOR DIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES REGARDLESS OF LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THE PRODUCT OR PRODUCTS REFERRED TO HEREIN. The sole remedy of the buyer for any claims shall be limited to the buyer's purchase price. TECHNICAL ADVICE IS ACCEPTED AT THE BUYERS RISK AND IS NOT A WARRANTY.