

## Specification Sheet

### Silicon Nitride Nanoparticles

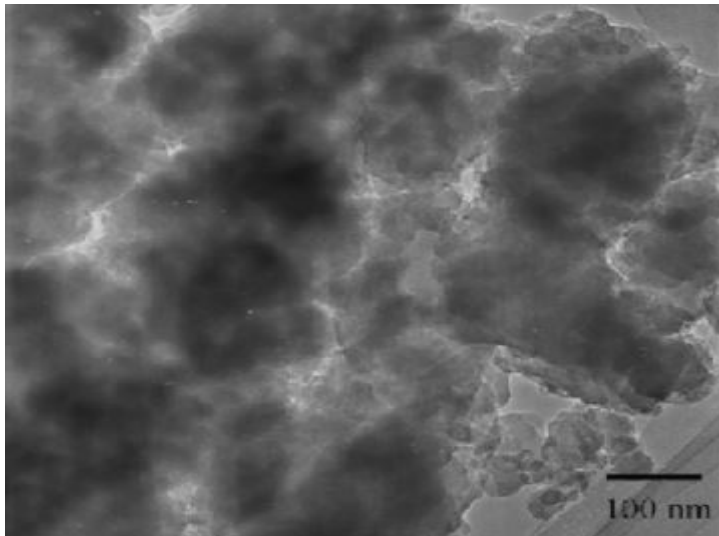
(Si<sub>3</sub>N<sub>4</sub>, Purity: 99.9%, APS: 15-30nm)

Stock No: NS6130-02-210, CAS: 12033-89-5

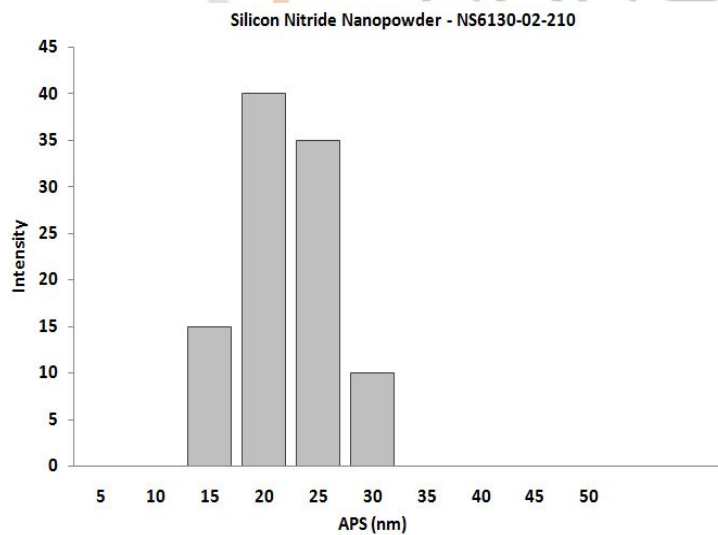
<b>Product</b>	:	<b>Silicon Nitride Nanoparticles</b>
Stock No.	:	NS6130-02-210
CAS	:	12033-89-5
APS	:	15-30nm
Purity	:	99.9 %
Molecular Formula	:	Si <sub>3</sub> N <sub>4</sub>
Molecular Weight	:	140.28 g/mol
Form	:	Powder
Color	:	Grey White
Density	:	3.52 g/cm <sup>3</sup>
Melting Point	:	1900 °C
Young's Modulus	:	140 to 310 GPa
Solubility	:	Insoluble in water
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Silicon Nitride Nanoparticles



### TEM -Si<sub>3</sub>N<sub>4</sub> Nanopowder



### Size Analysis – Si<sub>3</sub>N<sub>4</sub> Nanopowder