

Specification Sheet

Aluminum Silicate Nanoparticles

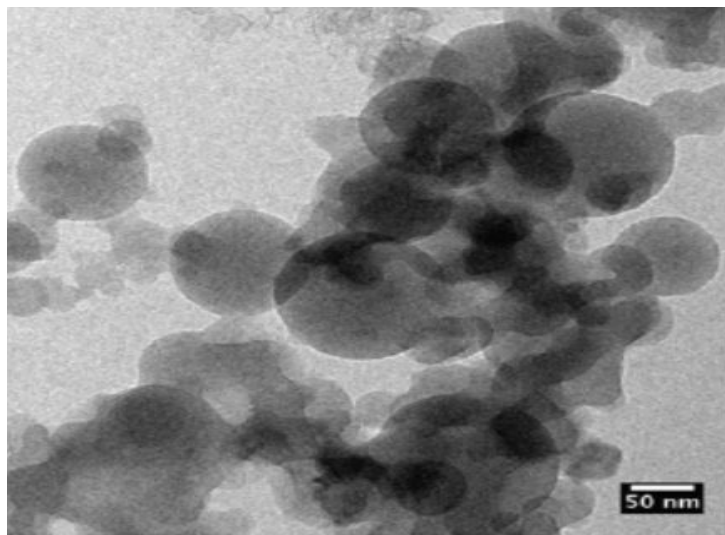
(Al₂SiO₅, Purity: 99.9%, APS: < 100nm)

Stock No: NS6130-10-1163, CAS: 12141-46-7

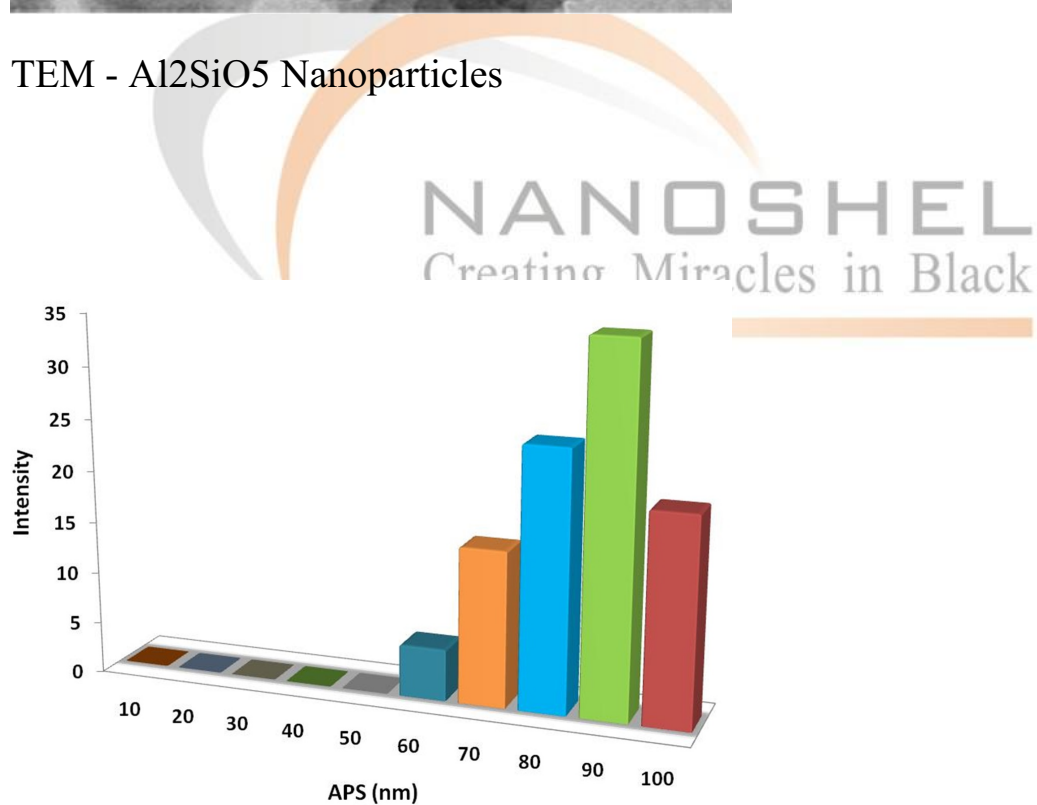
Product	:	Aluminum Silicate Nanoparticles
Stock No.	:	NS6130-10-1163
CAS	:	12141-46-7
APS	:	< 100nm
Purity	:	99.9%
Molecular Formula	:	Al ₂ SiO ₅
Molecular Weight	:	162.05 g/mol
Form	:	Powder
Color	:	White/off white
Density	:	2.3-2.5 g/cm ³
Specific Heat	:	840 J/kg-K
Tensile Strength	:	6.9 to 21 MPa (Ultimate)
Thermal Conductivity	:	2.0W/m-K
Thermal Expansion	:	2.5 to 3.3µm/m-K
Main Inspect Verifier	:	Manager QC

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

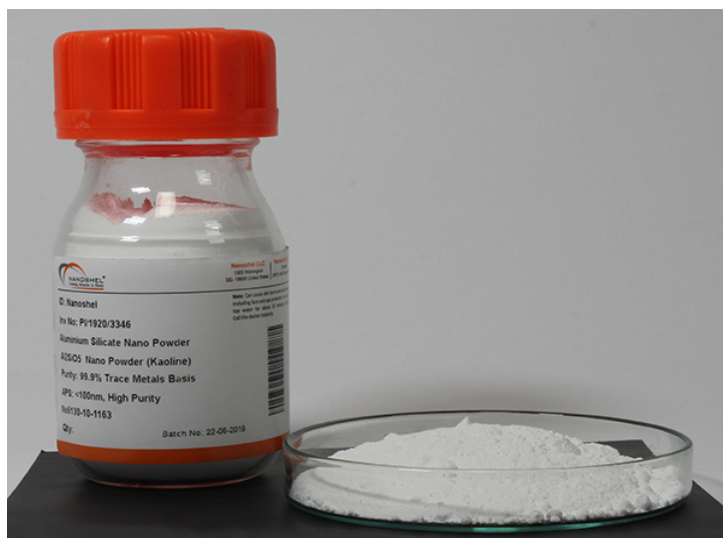
Characterization of Aluminum Silicate Nanoparticles



TEM - Al₂SiO₅ Nanoparticles



Particles Size Analysis



Aluminium Silicate

