

Specification Sheet

Barium Titanate Nanoparticles

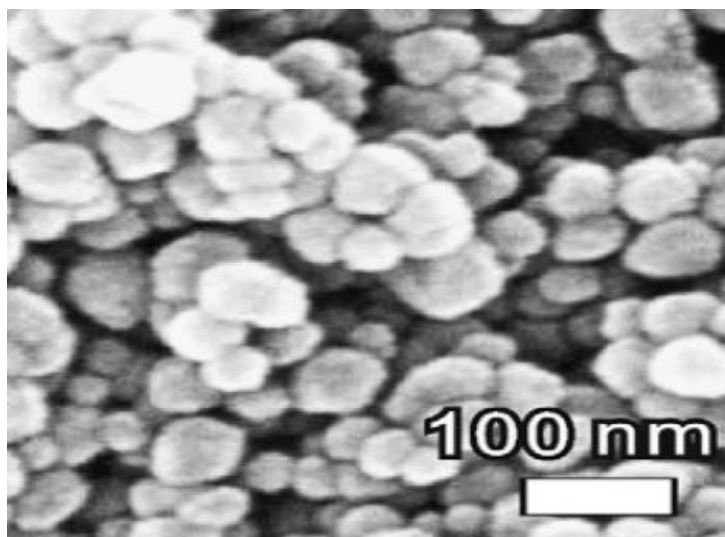
(BaTiO₃, Purity: 99.9%, APS: 50 nm, Cubic)

Stock No: NS6130-02-224, CAS: 12047-27-7

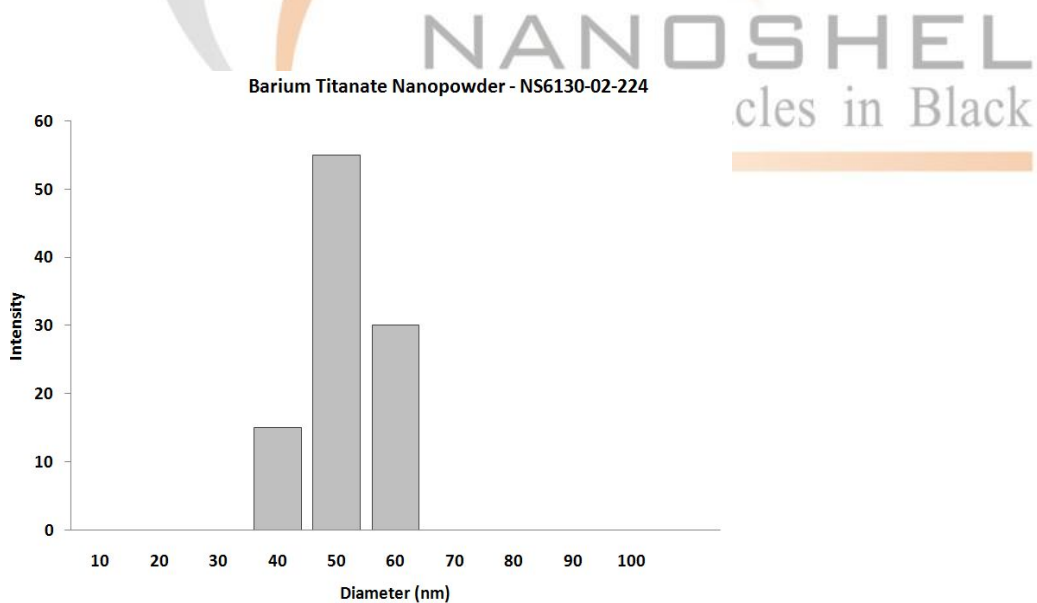
Product	:	Barium Titanate Nanoparticles
Stock No.	:	NS6130-02-224
CAS	:	12047-27-7
APS	:	50 nm
Purity	:	99.9 %
Molecular Formula	:	BaTiO ₃
Molecular Weight	:	233.192 g/mol
Form	:	Powder
Color	:	White
Density	:	6.02 g/cm ³
Melting Point	:	1625 °C
Dielectric Constant	:	6200 to 7000 (at curie Point)
Solubility	:	Insoluble in water
Main Inspect Verifier	:	Manager QC

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

Characterization of Barium Titanate Nanoparticles



SEM – BaTiO₃ Nanopowder



Barium Titanate Nanoparticles – Size Analysis