

Strontium Titanate Nanoparticles (SrTiO₃, 99.95%, 100 nm, Cubic Phase)

Stock #: US3975

Please click [here](#) for price information.

Details:

Strontium Titanate (SrTiO₃)

Sr/Ti (mol ratio): 0.99-1.01

Purity: 99.95%

APS: 100 nm (from SEM)

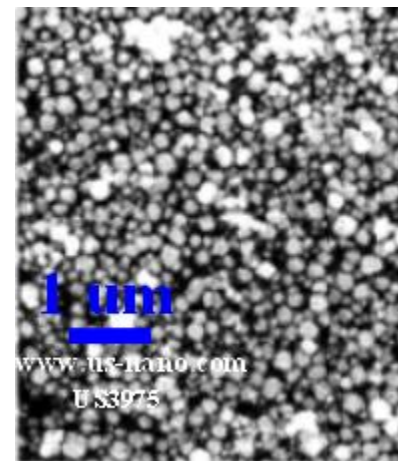
BET: 11.02 m²/g

Morphology: spherical

Synthesis Method: hydrothermal

True density: 4.81g/cm³

Melting Point: 2080 °C



[MSDS](#)

SrTiO ₃	Sr/Ti	Ca	Fe	K	Mg	Na
99.95%	0.99-1.01	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%

Application:

Tunable microwave capacitors for communication; Phosphor for field-emission display in flat panel displays; PTC thermistors; Microwave solitons; Varistors; Nonvolatile memory; Electrical insulation; Capacitor dielectric of Gbit-scale DRAMs. Giant piezoelectric effect at cryogenic temperatures; Magnetic field insensitive thermometer; High-voltage capacitors; Ultralow-temperature scanning microscopies; Micro-capacitors; High density dynamic random access memories; Decoupling capacitors; Oxygen sensors; Photocatalyst; Planar capacitors; Semiconductive ceramics; Pyroelectric far-infrared detectors; Soft-phonon devices; Stochastic resonance; Trunable resonant circuits; Varactors.

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