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SiO₂

NANOPARTICLES

    /nanoshel

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SiO₂

NANOPARTICLES

Silicon oxide nanoparticles, also known as silica nanoparticles or nano silica, are the basis for a great deal of biomedical research due to their stability, low toxicity and ability to be functionalized with a range of molecules and polymers. Nanoscale Silicon Oxide Nanoparticles or Silica Particles are typically 5 - 100 nanometers (nm) with specific surface area (SSA) in the 25 - 50 m²/g range. Nano Silicon Oxide Particles are also available in Ultra high purity, high purity, hydrophobic and

dispersed forms. SiO₂ Nanoparticles have enormous applications including in Paint, plastic, color rubber, magnetic materials. In addition, nano-silica can be widely used in ceramics (sugar) porcelain, gypsum, batteries, paints, adhesives, cosmetics, glass, steel, fiber, glass, and many other fields of environmental protection products the upgrading.

Make your innovations better with NANOSHEL



Quick FACTS

Product	: SiO ₂ Nanoparticles
Stock No	: NS6130-03-341, NS6130-03-342
CAS	: 7631-86-9
Color	: White
Form	: Powder

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 ISO 9001:2015
CERTIFIED COMPANY



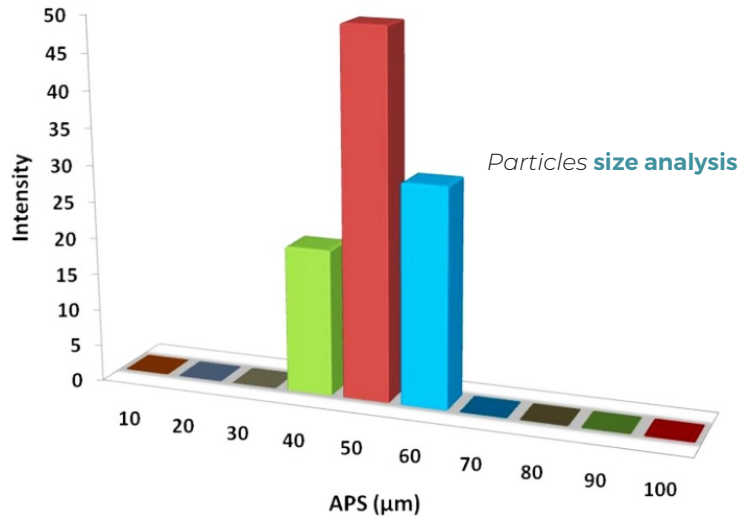
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APPLICATIONS

- ✓ Cosmetic creams
- ✓ Batteries
- ✓ Paints
- ✓ Nanomedicine
- ✓ Wood coating industry
- ✓ Energy storage, sensing
- ✓ Environmental protection
- ✓ Automobile exhaust-gas treatments
- ✓ Very good optical properties and can filter UV rays



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-03-341	99.9%	15-20nm
NS6130-03-342	99.9%	10µm

Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point	Boiling Point
SiO ₂	60.08 g/mol	2.4 g/cm ³	1610 °C	2230 °C

Chemical Composition

Product	Weight Percent (nominal)	
	SiO2	Other Metal
SiO2 Nanoparticles	99.9 %	1000 ppm

Properties

- ✓ Chemical Symbol: SiO2
- ✓ CAS No.:7631-86-9
- ✓ Bulk Density:2.4 g/cm³

Ordering Information and Stock Availability

- ✓ Product: SiO2 Nanoparticles
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-03-34,342

SDS are available from the Nanoshel

Website

at <https://www.nanoshel.com/product/sio2-nanoparticles>