

## SPECIFICATION

<b>Product Name:</b> Colloidal Silicon Dioxide BP Grade
<b>Chemical Formula:</b> SiO <sub>2</sub>
<b>CAS Number:</b> 7631-86-9
<b>Molecular Weight:</b> 60.08 g/mol
<b>Appearance:</b> A light fine white amorphous powder
<b>Odor:</b> Odorless

### Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Identification	-	Complies	It gives reaction of silicates.
pH	-	4.65	3.5 – 5.5
Chloride	PPM	Complies	Max. 250 PPM
Loss on Ignition	%	3.29%	Max. 5.0%
Assay	%	99.20%	99.0% - 100.5%
Description	-	Complies	It has a particle size of 15nm.

#### Physical Properties

- Solubility: Practically Insoluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in ether. Practically insoluble in methanol.

#### Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, humidity, and contamination.

#### Applications

- Use: Widely used as a glidant, anti-caking agent, adsorbent, moisture scavenger, and viscosity-modifying agent in pharmaceutical, nutraceutical, food, and cosmetic formulations.
- Dosage: Depends on Powder flow characteristics, Moisture sensitivity of ingredients, Manufacturing process, Formulation type, Regulatory requirements.



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**CIN:** U24230GJ2011PTC064654

### **Packaging**

- Standard Packing: 10 kg HDPE bags with inner liner or as per customer requirement.

-Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

\* Specifications are based on the manufacturer's provided specifications.

