

SPECIFICATION

Product Name: Silica Granules Feed Grade
Chemical Formula: SiO ₂
CAS Number: 7631-86-9
Molecular Weight: 60.08 g/mol
Appearance: White Free Flowing Granuler Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value
Moisture (at 105 C for 2 Hr)	% (Max)	4-5
Ignition Loss (at 1000C for 2hrs on Anhydrous basis)	% (Max)	4.0
Bulk density, tapped (While Material Packed)	Gm/lit	200
pH (in 5% aqueous solution)		6.5-7.5
Sio2 on anhydrous basis	% (Min)	98.5
Water Absorption	%	240
Behaviour With Water		Hydrophilic
Surface Area (BET)	m2/gm	170-180
Residue on 100 Mesh (Wet Sieving)	% (Max)	1.0

Physical Properties

- Solubility: Insoluble in water and most organic solvents.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep bags or containers tightly closed after opening. Protect from moisture and humidity to prevent lumping and reduced flowability. Keep away from direct sunlight and heat sources. Store on pallets, away from floor and walls.

Applications

- Use: anti-caking agent in animal feed and premixes.
- Used in mineral mixtures and vitamin premixes to reduce lump formation.

Packaging

- Standard Packing: 50 kg woven PP bags with inner liner and 100grams, 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.