

11-7 Silica Dioxide

I. Product Overview

Product Name: Silica Dioxide

Category: Silica Dioxide

CAS Number: 7631-86-9

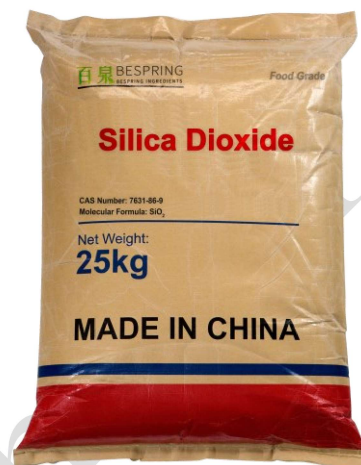
Molecular Formula: SiO₂

Packaging:

- 15 kg/bag Kraft paper bag, no pallet 7.5-8.1 tons/20GP
- 10 kg/bag Kraft paper bag, no pallet 5 tons/20GP

Minimum Order Quantity: 500 kg

Quality Standards: Kosher, Halal, ISO



II. Product Specifications

Item	Specifications (For Beer Filtration)	Specifications (For Dietary Supplements)
Silica Dioxide (After Ignition) %	≥96	≥96
Loss on Drying %	≤7	≤7
Loss on Ignition %	≤8.5	≤8.5
Lead (as Pb) mg/kg	≤5	≤5
Heavy Metals (as Pb) mg/kg	≤30	≤30
Arsenic (as As) mg/kg	≤3	≤3
Soluble Salts %	≤4	≤4
Bulk Density g/mL	<0.3	<0.3
Surface Area m ² /g	≥400	190-260
Oil Absorption Value mL/g	-	≥2.0
Average Particle Size μm	8-20	10-20
Pore Volume mL/g	0.9-1.6	-
pH Value	4.5-9	6-8
Iron Content mg/kg	25	-

Or as per customer's requirement

III. Applications

Silica dioxide is a widely used industrial material with the following main applications:

- **Food Industry:** Silica dioxide can be used as a food additive with anti-caking, thickening, stabilizing, and adsorption properties. It is widely used in the production of beer, beverages, dairy products, candies, pastries, and other foods.
- **Pharmaceutical Industry:** Silica dioxide can be used as a pharmaceutical excipient with adsorption, carrier, and thickening properties. It can be used to prepare medicines, dietary supplements, and cosmetics.
- **Industrial Applications:** Silica dioxide can be used as a catalyst, abrasive, filler, thickener, rubber filler, etc., and is widely used in the chemical, metallurgical, electronic, rubber, and plastic industries.

IV. Storage

Silica dioxide should be stored in a dry, ventilated, and uncontaminated room temperature environment. Avoid direct sunlight and outdoor storage. The shelf life is 24 months from the date of production.