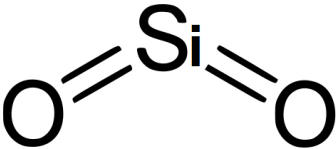


M/S. BIMAL PHARMA PVT. LTD MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : SILICON DIOXIDE (FCC GRADE, E 551) (US FDA : 21CFR:Part 211)
MSDS no. BPPL 170 (Available on Request)	SPECIFICATION NO. FP 170 (Enclosed)

1. **NOMENCLATURE** : Silicon Dioxide
: Precipitated Silica
: Silicon Dioxide, Amorphous
: Colloidal Silicon Dioxide
2. **CAS NO.** : 7631-86-9
3. **HSN CODE** : 38249025 / 28112200
4. **EMPIRICAL FORMULA** : SiO₂
5. **MOL. WT.** : 60.08
6. **MELTING POINT** : 1710 °C
7. **STRUCTURAL FORMULA** : 
8. **DESCRIPTION** : White, Amorphous Powder.
: Odorless Powder, free flowing.
9. **APPLICATION IN** : As a Food Anti-caking Agent it improves
flow properties of the product, and
prevents caking & lumping.
: It offers faster production Rates &
increased capacity.
: For Pharmaceuticals & Cosmetics uses
: For Oral Care Applications (Toothpaste) etc.
: For Polymer & Pesticides Applications.
: For Detergent, Laundry & Home care
Applications.

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1. **DESCRIPTION** : Fine, white odorless powder free from signs of impurity.
2. **SOLUBILITY** : Insoluble in Water
3. **PH
(5.0% Water Suspension):** 6.0 to 7.0
4. **LEAD CONTENT
(HEAVY METALS)** : NMT 5 mg / kg. (5 ppm Max)
5. **ARSENIC (AS As)** : NMT 3 mg / kg. (3 ppm Max)
6. **IRON CONTENT
(FERRIC)** : NMT 200 mg/kg. (200 ppm Max)
7. **SOLUBLE SALTS** : NMT 1.0%
8. **LOSS ON DRYING
(105 °C, 3 hrs)** : 6.0% Max.
9. **LOSS ON IGNITION
(1000 °C; 2 HRS)** : 6.0% Max.
10. **WATER ABSORPTION** : 260% Min.
11. **ASSAY
(SiO₂, ANHY. BASIS)** : 98.5 % to 100.0%
12. **PACKING** : 20 Kgs. PP Bags with single LDPE Liners.

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ADDITIONAL PARAMETERS

- 1. OIL ABSORPTION
(CC / 100 gms)** : 240 Min.
- 2. DBP ABSORPTION
(cc / 100 gms)** : 260 Min.
- 3. AVERAGE PARTICLE SIZE :** 10.0 to 20.0 Microns
- 4. RESIDUE ON 325 MESH :** 1.0% Max.
- 5. BULK DENSITY (TAPPED) :** 80.0 to 130 gms / Lit