

## SILICON DIOXIDE

**Chemical Name** Silicon Dioxide (CD-1)  
**CAS Number** 14464-46-1  
**Molecular Formula** SiO<sub>2</sub>  
**Molecular Weight** 60.0843  
**Molecular Structure**



**Packing** 10kg/ bag  
**Capacity** 50MT/M  
**Storage** Store in cool and dry place, keep away from strong light and heat  
**Application** The main function of silica is to prevent the agglomeration of powdered food and improve its fluidity, so as to maintain the good appearance of powdered food.

| Tests                 | Standard USP40   |
|-----------------------|--|
| Identification        | Complies   |
| Appearance            | White powder   |
| Chloride              | ≤0.1%  |
| Sulfate               | ≤0.5%  |
| PH                    | 4.0-8.0  |
| Loss on drying        | ≤5.0%  |
| Assay                 | Over 99.0%   |
| Loss on ignition      | ≤8.5%  |
| Arsenic               | ≤3ppm  |
| Heavy Metals          | <0.003%  |
| Microbiological limit | Fungi and Yeasts < 100 CFU/gm<br>Mesophilic Aerobic Microorganisms < 1000 CFU/gm<br>Pathogenic Bacteria should be absent |
| Conclusion            | It conforms to USP40 standard.   |

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The users are suggested to select the suitability of the products and methods of application.