

# SiSiB® FS0202 Pharm Grade Fumed Silica

## INTRODUCTION

SiSiB® FS0202 is a high purity amorphous anhydrous colloidal silica suitable for pharmaceutical products and meets the analytical requirements of the current valid versions of the European Pharmacopoeia EP and the United States Pharmacopoeia USP. It is tested and certified according to pharmacopoeia methods.

## FEATURES

- High purity
- Aggregated structure
- Submicron particle size
- Low bulk density
- Hydrophilic surface

## PHYSICAL PROPERTIES

CAS No.	112945-52-5 or 7631-86-9
EINECS No.	601-216-3 or 231-545-4
Specific surface area (BET, m <sup>2</sup> /g)	170~230
SiO <sub>2</sub> content (1000°C, 2h, %)	Min. 99.8
Loss on drying (105°C, 2h, %)	Max. 2.5
Ignition loss (1000°C, 2h, %)	Max. 2.0
Tamped density	40~60 g/L
pH-Value (in 4 % dispersion)	3.9~4.5
Heavy metals content	Max. 25ppm
As content	Max. 8ppm
Chloride	Max. 250ppm
TAMC*	Pass
TYMC*	Pass

TAMC (total aerobic microbial count), TYMC (total combined yeast and mould count) and Gram-negative bacteria are tested acc. to USP and EP.

## APPLICATIONS

SiSiB® FS0202 is a high purity fumed silica used to control rheology and thixotropy of liquid systems. It can be used as an anti-settling, thickening and anti-sagging agent, improving the free-flow and anti-caking properties of powders.

SiSiB® FS0202 enhances properties such as tablet hardness and friability,

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and can be used as a desiccant for moisture-sensitive active ingredients.

SiSiB® FS0202 can also improve the distribution of active pharmaceutical ingredients.

SiSiB® FS0202 does not affect the taste or natural color of powder formulations, and is an effective solution to improve powder properties while maintaining product integrity.

### PACKING

SiSiB® FS0202 is supplied in multiple layer 10 kg bags.

### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

### STORAGE

In the original unopened packaging, SiSiB® FS0202 has a shelf life of 24 months under dry conditions.

### NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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