

# HIFULL COLLOIDAL SILICON DIOXIDE HL-300

## PHARMA GRADE

## PHARMA EXCIPIENT - COLLOIDAL SILICON DIOXIDE

HL-300 is a high-purity anhydrous colloidal silicon dioxide, which is an amorphous silica product manufactured by hydrolysis of chlorsilane in oxygen and hydrogen flame at a temperature above 1000 °C. It is white and fluffy powder in appearance. It is used in the pharmaceutical industry.

### 01 Applications

- Tablet
- Softgel Capsules
- Ointment
- Gel & semisolid preparations
- Suppository
- Aspirin powder

### 02 Properties

- Carrier adsorbent
- Excipient
- Stabilizer
- Anti-caking agent

### 03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m <sup>2</sup> /g	300±30	GB/T 20020
pH value in 4% dispersion <sup>l</sup>	—	3.9~4.5	Chinese Pharmacopoeia 2025 Edition
Loss on drying	%	≤2.0	Chinese Pharmacopoeia 2025 Edition
Tamped density	g/L	~50	Chinese Pharmacopoeia 2025 Edition
Silica content (Based on ignited material)	%	≥98.00	Chinese Pharmacopoeia 2025 Edition
Chloride	ppm	≤250	Chinese Pharmacopoeia 2025 Edition
Arsenic salt	ppm	≤8.0	Chinese Pharmacopoeia 2025 Edition
Heavy metal	ppm	≤40	Chinese Pharmacopoeia 2025 Edition
Microbial limit	—	Meets the requirements of the pharmacopoeia	Chinese Pharmacopoeia 2025 Edition

※ customized products available for special physical or chemical data