

# AEROSIL® 200 Pharma

## Colloidal silicon dioxide

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	200 ± 25
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 50
pH Tested according to Ph. Eur., USP/NF		3.5 - 5.5
Chloride Tested according to Ph. Eur.; JP	ppm	≤ 250; ≤ 110
Heavy Metals Tested according to Ph. Eur.; JP	ppm	≤ 25; ≤ 40
SiO <sub>2</sub> - content Tested acc. to Ph. Eur., USP/NF; JP	wt. %	99.0 - 100.5; ≥ 98.0
Loss on Drying (moisture)* Tested according to USP/NF; JP	wt. %	≤ 2.5; ≤ 7.0
Loss on Ignition Tested acc. to Ph. Eur.; USP/NF; JP	wt. %	≤ 5.0; ≤ 2.0; ≤ 12.0
As - content Tested according to USP/NF; JP	ppm	≤ 8.0; ≤ 5.0
Residual Solvents Tested according to USP/NF		pass
Volume Test Tested according to JP	ml	≥ 70
Ca - content Tested according to JP		pass
Fe - content Tested according to JP	ppm	≤ 500
Al - content Tested according to JP		pass
* ex plant		
The data represents typical values (no product specification)		

AEROSIL® 200 Pharma is a high purity amorphous anhydrous colloidal silicon dioxide for use in pharmaceutical products (tested according to USP/NF, Ph. Eur. Monograph 0434 and JP).

### Applications and properties

#### Applications

- Pharmacy, all types of dosage forms

#### Properties

- Free flow and anti-caking agent to improve powder properties
- Improves tablet properties such as hardness and friability
- Used as viscosity increasing agent to thicken and thixotropize liquids
- Dessicant for moisture-sensitive actives.
- Improves distribution of active pharmaceutical ingredients

### Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the material safety data sheet prior to the use of our product.

### Packaging and storage

AEROSIL® 200 Pharma is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® 200 Pharma should be used within 2 years after production.

## Registration

### AEROSIL® 200 Pharma

CAS-No.	REACH (Europe)	TSCA (USA)	DSL (Canada)	AICS (Australia)	ENCS (Japan)	IECS (China)	KECI (Korea)
112 945-52-5 7631-86-9	All components of this product are registered in these inventories.						

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