

Product Information

▶ AEROSIL® 200 Pharma

Colloidal Silicon Dioxide

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, especially semi-solid and liquid dosage forms

Properties

- Used as viscosity increasing agent to thicken and thixotropize liquids
- Improves storage and temperature stability of semi-solid and liquid dosage forms
- Improves distribution of active pharmaceutical ingredients
- Dessicant for moisture-sensitive actives.
- Free flow and anti-caking agent to improve powder properties

Physico-chemical Data

Properties	Unit	Typical Value
Specific surface area (BET)	m ² /g	200 ± 25
Tapped density (approx. value)* 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
SiO₂ - 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 and not production parameters.

Safety and Handling

With every sample or initial shipment of our products we will send a Material Safety Data Sheet. Of course, you can also request an MSDS or any other information regarding product safety at any time, or download it as a registered user at www.aerosil.com.

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.	EINECS	TSCA (USA), AICS (Australia), DSL (Canada)	ENCS (Japan)	ECL (Korea)	IECS (China)
112 945-52-5 7631-86-9	231-545-4	Registered	1-548	KE-30953 (KE-31032)	Registered

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