

AEROSIL® 200 Pharma

Colloidal silicon dioxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	175 - 225
pH value in 4% dispersion, tested according to Ph. Eur., USP/NF		3.7 - 4.5
Loss on drying (moisture)* 2 hours at 105 °C, tested according to USP/NF; JP	%	≤ 1.52
Tamped density*	g/l	approx. 50
SiO ₂ content based on ignited material, tested acc. to Ph. Eur., USP/NF; JP	%	> 99.8
Al content tested according to JP		pass
Fe content tested according to JP	ppm	≤ 500
Ca content tested according to JP		pass
As content tested according to USP/NF; JP		≤ 8.0; ≤ 5.0
Chloride tested according to Ph. Eur.; JP	ppm	≤ 250; ≤ 110
Heavy Metals tested according to Ph. Eur.; JP	ppm	≤ 25; ≤ 40
Volume Test tested according to JP	ml	≥ 70
Residual Solvents tested according to USP/NF	ppm	pass
HACCP, FAMI-QS, IPEC/GMP		Yes
* 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 which fulfils the analytical requirements of the currently valid versions of the European Pharmacopeia (Ph. Eur.), United States Pharmacopeia (USP/NF) and Japanese Pharmacopeia (JP) and is tested and certified according to pharmacopoeia methods. It fulfils purity criteria of E551 according to 231/2012 EU.

In our production location in Rheinfelden, Germany AEROSIL® 200 Pharma is manufactured and packaged according to IPEC/GMP and HACCP/FAMI-QS guidelines. The production and packaging process has been audited and fulfils the requirements of regulation EC No. 852/2004.

Applications and properties

Applications

- Pharmacy, all types of dosage forms
- Food
- Feed

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
- Used as anti-setting, thickening and anti-sagging agent
- High purity, low humidity content
- No influence on taste
- Does not alter natural colour of powder formulations

Registrations (substance or product components)

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	registered	registered	registered	registered	registered	registered	registered

Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® 200 Pharma is supplied in multiple layer 10 kg and 10 lbs 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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Customer Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Resource Efficiency GmbH
Business Line Silica
PB 010-A410
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59 12532
FAX +49 6181 59 712532
aerosil@evonik.com
www.aerosil.com

North America

Evonik Corporation
Business Line Silica
299 Jefferson Road
Parsippany, NJ 07054-0677
USA
PHONE +1 800-233-8052
FAX +1 973-929-8502
aerosil@evonik.com
www.aerosil.com

Asia (excluding Japan)

Evonik (SEA) Pte. Ltd.
Business Line Silica
3 International Business Park
Nordic European Centre, #07-18
Singapore 609927
PHONE +65 6809-6877
FAX +65 6809-6677
aerosil@evonik.com
www.aerosil.com

Japan

NIPPON AEROSIL CO., LTD.
Marketing & Sales Division
P.O. Box 7015
Shinjuku Monolith 13F
3-1, Nishi-Shinjuku 2-chrome
Shinjuku-ku, Tokyo
163-0913 Japan
PHONE +81 3 3342-1789
FAX +81 3 3342-1761
infonac@evonik.com
www.aerosil.jp

Technical Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Resource Efficiency GmbH
Business Line Silica
HPC 911-221 A
Rodenbacher Chaussee 4
63403 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3936
FAX +49 6181 59 4489
technical.service.aerosil@evonik.com
www.aerosil.com

North America

Evonik Corporation
Business Line Silica
2 Turner Place
Piscataway, NJ 08855-0365
USA
PHONE +1 888 SILICAS
PHONE +1 732 981-5000
FAX +1 732 981-5275
technical.service.aerosil@evonik.com
www.aerosil.com

Asia (excluding Japan)

**Evonik Specialty
Chemicals (Shanghai) Co.,Ltd**
Business Line Silica
55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108
P.R. China
PHONE +86 21 6119-1065
FAX +86 21 6119-1075
technical.service.aerosil@evonik.com
www.aerosil.com

Japan

NIPPON AEROSIL CO., LTD.
Applied Technology Group
3 Mita-Cho
Yokkaichi, Mie
510-0841 Japan
PHONE +81 59 345-5270
FAX +81 59 346-4657
infonac@evonik.com
www.aerosil.jp