

ZEOPHARM® 250

Precipitated Calcium Silicate NF

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	15
Linseed oil absorption	ml/100g	280
Loss on drying	%	5
pH value, 5 % in water	-	10
Bulk density	kg/m ³	150
Water absorption	ml/100g	260

*) The given data are typical values. Specifications on request.

Certifications and Classifications

ZEOPHARM® 250

CAS-No.	1344-95-2
<ul style="list-style-type: none"> • Meets USP-NF for Calcium Silicate • Conformity with COSMOS standard • Certified as Kosher, Pareve, Kosher for Passover, and Halal 	

ZEOPHARM® 250 synthetic amorphous calcium silicate NF has a medium particle size (15 microns) and is highly absorptive. With a pH-value of 10, the product can serve multiple purposes in tableting. ZEOPHARM® 250 calcium silicate NF can be used as a glidant to allow uniform flow into the tablet press which results in less tab-let weight variation. When used as a tablet coating, ZEOPHARM® 250 calcium silicate NF provides a buffering effect reducing tablet dissolution in the stomach. ZEOPHARM® 250 calcium silicate NF also minimizes moisture absorption by the tablets.

Benefits

- As a glidant
 - Provides more even flow into the tablet press
 - Reduces tablet weight variation
- As a tablet coating
 - Higher pH acts as a buffer for stomach acid
 - High absorptive capacity protects tablets from moisture uptake
- As a carrier
 - Turning liquids into dry, flowable powders

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet. We recommend to read carefully the Safety Data Sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content.

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Applied Technology**Evonik Resource Efficiency GmbH**

Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3536
FAX +49 6181 59-4096
ask-si@evonik.com
www.sipernat.com

Europe/ Middle-East/**Africa/ Latin America****Evonik Resource Efficiency GmbH**

Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-8118
FAX +49 6181 59-78118
ask-si@evonik.com
www.sipernat.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
ask-si@evonik.com
www.sipernat.com

Asia-Pacific**Evonik (SEA) Pte. Ltd.**

Business Line Silica
3 International Business Park
#07-18, Nordic European Centre
Singapore 609927
PHONE +65 6 809 6877
FAX +65 6 809 6677
ask-si-asia@evonik.com
www.sipernat.com