

# SIPERNAT® 160 PQ

## Characteristic physico-chemical data\*)

Properties and test methods	Unit	Value
Specific surface area (N <sub>2</sub> ) Multipoint following ISO 9277	m <sup>2</sup> /g	170
Loss on drying 2 h at 105°C following ISO 787-2	%	≥ 3.0
pH value 5 % in water following ISO 787-9		5.5
Sieve residue 45 µm spray following ISO 3262-19	%	≤ 3.0
Identification according to USP/NF		pass
pH value 5 % in water according to USP/NF		4.0-8.0
Loss on drying 4 h at 145°C according to USP/NF	%	≤ 5.0
LOI min. 1 h at 1000°C according to USP/NF	%	≤ 8.5
Cl content according to USP/NF	%	≤ 0.1
SO <sub>4</sub> content according to USP/NF	%	≤ 0.5
As content according to USP/NF	ppm	≤ 3
Heavy metal content according to USP/NF	%	≤ 0.003
SiO <sub>2</sub> content (Assay) according to USP/NF	%	≥ 99.0
Confirms to the analyt. req. following Ph. Eur. <sup>1)</sup>		pass
Iron content according to Ph. Eur.	ppm	≤ 300

1) "Silica, Colloidal Hydrated"

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

## Registrations

### SIPERNAT® 160 PQ

CAS-No.	112926-00-8 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA) AICS (Australia) DSL (Canada)	registered
PICCS (Philippines) IECSC (China)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
NZIoC (New Zealand)	registered

SIPERNAT® represents a specific product range of precipitated silica, aluminium and calcium silicates.

SIPERNAT® 160 PQ is a high purity precipitated silicon dioxide for use in pharmaceutical products, tested against the monographs "Silicon Dioxide" (USP/NF) and "Silica Colloidal Hydrated" (Ph. Eur.)

## Properties and applications

Main applications of SIPERNAT® 160 PQ are Pharmacy and all types of solid dosage forms.

## 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 Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) 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. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

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