

AEROSIL® 300 Pharma

Colloidal silicon dioxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	270 - 330
pH value Tested according to Ph. Eur., USP/NF		3.5 - 5.5
Loss on drying* Tested according to USP/NF; JP	%	≤ 2.5; ≤ 7.0
Tamped density*	g/l	approx. 50
SiO ₂ content Tested acc. to Ph. Eur., USP/NF; JP	%	≥ 98.0; 99.0 - 100.5
As content Tested according to USP/NF; JP	ppm	≤ 5; ≤ 8
Ca content Tested according to JP		pass
Fe content Tested according to JP	ppm	≤ 500
Al content Tested according to JP		pass
Chloride Tested according to Ph. Eur.; JP	ppm	≤ 110; ≤ 250
Heavy Metals Tested according to JP	ppm	≤ 40
Residual Solvents Tested according to USP/NF		pass
Volume Test Tested according to JP	ml	≥ 70
* ex plant The data represents typical values (no product specification)		

AEROSIL® 300 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
- Dessiccant for moisture-sensitive actives
- Free flow and anti-caking agent to improve powder properties

Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at sds-hu@evonik.com for specific questions. We recommend to reach the safety data sheet carefully prior to use of the product.

Packaging and storage

AEROSIL® 300 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® 300 Pharma should be used within 2 years after production.

Registrations (substance or product components)

AEROSIL® 300 Pharma

CAS-No.	EINECS (Europe)	TSCA (USA)	DSL (Canada)	AICS (Australia)	ENCS (Japan)	IECSC (China)	KECI (Korea)
112 945-52-5 7631-86-9	All components of this product are listed in the inventories above.						

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