

SPHERILEX® 10 PC

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 7.0
pH value 5% in water following ISO 787-9	-	6.5-8.5
Particle size, d50, Coulter LS following ISO 13320	-	8.0-12.0
Total aerobic microbial count accord. to USP & EP	CFU/g	≤ 100
Total yeasts and molds count accord. to USP & EP	CFU/g	≤ 100
Pathogenic bact. (P.a; Salm; E accord. to USP & EP		Absence
Sieve residue 45 µm, spray following ISO 3262-19	%	≤ 1.0

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

Certifications and Classifications

SPHERILEX® 10 PC

CAS-No.	112926-00-8 resp. 7631-86-9
	<ul style="list-style-type: none"> • INCI: Hydrated Silica • Conformity with COSMOS and NATRUE standards • Derived mineral ingredient according to ISO 16128-1:2016

Benefits

- Spherical shape and narrow particle size distribution
- Easy to formulate
- Provides a silky smooth, non-drying skin feel
- Mattifying effect
- Reduces tackiness in sunscreen formulations
- Consistent quality, globally available

Using a patented manufacturing process, Evonik now offers a derived mineral ingredient that allows for a spherical particle shape, a controlled pore size, and narrow particle distribution. Since these parameters are now controlled during the precipitation process, the resulting particles are much more consistent than traditional precipitated products. This combination of properties exhibits numerous benefits in cosmetics applications, such as skincare, leave on, sunscreen, decorative cosmetics as well as AP/DEO products.

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 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

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