

ZEODENT® 163

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	11
Linseed oil absorption	ml/100g	180
Sieve residue, 325 Mesh	%	1
Fluoride compatibility	%	96
Sodium sulfate	%	1
pH value, 5 % in water	-	7
Loss on drying	%	6

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

Certifications and Classifications

ZEODENT® 163

CAS-No.	112926-00-8 resp. 7631-86-9
<ul style="list-style-type: none"> • Quality excellence achieved through GMPs and ISO:9001 certifications • Meets USP-NF for Dental Type Silica, EP and JPE monographs • Conformity with ECOCERT and COSMOS standards • Certified as Kosher, Pareve, Kosher for Passover, and Halal 	

ZEODENT® 163 Silicon Dioxide dental thickener is a cost-effective solution to build suitable levels of viscosity without compromising on performance. It offers formulators a wide range of flexibility with regards to active ingredient compatibility and overall final product aesthetic properties.

ZEODENT® 163 Silicon Dioxide is best suited for building viscosity when formulating with cleaning silicas like ZEODENT® 113, ZEODENT® 115 and ZEODENT® 116, all of which build viscosity at moderate level. Typical loading should be 5-10% when using standard cleaning silica.

Properties and applications

- Ideal for high clarity applications
- High level of compatibility with active ingredients
- Exceptional formulating flexibility
- Superior stability, smoothness, dispersion, and mouth feel

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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