



# UltraBent<sup>PORE-TEC</sup> UF

Granulated bentonite for use in crossflow systems

## Product description

UltraBent<sup>PORE-TEC</sup> UF is a highly pure and efficient Na-Ca-bentonite granulated by PORE-TECHnology. The product is especially designed for the requirements of protein adsorption in combination with crossflow-microfiltration systems.

UltraBent<sup>PORE-TEC</sup> UF is suitable for direct application in PALL Oenofine XL crossflow-systems. For application in alternative filtration systems, we kindly ask to contact the manufacturer.

Due to the fineness of the bentonite and the absence of particles > 100 µm this bentonite product does not cause any abrasive wear to crossflow membranes. Owing to the defined particle-size distribution, it is excellently suitable, after pre-swelling, for direct dosing into hollow fibre membranes. In this way, clarification and stabilisation need only one process step. Purity and high protein adsorbency reduce the dosage in comparison conventional bentonites.

In accordance with Regulation (EC) no. 2019/934. Laboratory tested for purity and quality.

## Dosage

Depending on intended effect, it is advisable to determine exact dosages for the respective medium by pre-tests. The stabilizing and clarification effect results from pH-value, temperature, and turbidity of the treated beverage.

Typical dosages are:

Wine: 25 - 200 g/100 L due to pre-test result  
Fruit juice: 25 - 200 g/100 L due to pre-test result

Slowly strew UltraBent<sup>PORE-TEC</sup> UF into a 5 - 10fold water amount under constant stirring and swell for minimum 4 - 8 hours, preferably for 12 hours. Prior to application check prepared suspension for off-flavour. Dilute the pre-swollen suspension with beverage before use and agitate proper.

## Storage

Bentonite is very sensitive to odour and moisture. Therefore, product must protect against off-flavour and moisture. Protect from moisture and foreign odours. Reseal opened packagings immediately airtight. For improper storage and application, liability is excluded.

ERBSLÖH Geisenheim GmbH • Erbslöhstraße 1 • 65366 Geisenheim, Germany  
Tel.: +49 6722 708-0 • Fax: +49 6722 6098 • [info@erbsloeh.com](mailto:info@erbsloeh.com) • [www.erbsloeh.com](http://www.erbsloeh.com)

  
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