

FermoBent® PORE-TEC

White, Rosé

Bentonite for Juice Treatment

CHARACTERISTICS

FermoBent® PORE-TEC is a pure granular sodium-calcium based bentonite with low iron for the specific treatment of juice. Because of its low iron content, fermentation on this bentonite is not only possible but encouraged. Fermenting on bentonite improves the release of CO₂ during fermentation. The constant contact between the juice and bentonite may eliminate the need for protein stabilization before bottling. This also helps to preserve aromatic varieties as protein fining takes place before volatile aromatics are made.

RECOMMENDED DOSAGE

Juice with moderate protein content	500-1500 ppm	50-150 g/hL	4.2-12.5 lb/1000 gal
Juice with high protein content and pH values	2000-3000 ppm	200-300 g/hL	16.7-25lb/1000 gal

DIRECTIONS FOR USE

- Dissolve FermoBent® PORE-TEC in approximately 5 times its weight of water and mix vigorously to avoid any lumps.
- Allow the mixture to swell for 4-6 hours.
- Add FermoBent to a settled, clean and racked juice. Be sure to mix thoroughly. Do not rack off sediment. FermoBent bentonite is meant to be left in during the fermentation. It is ok to pitch yeast and nutrients any time after this step.

BENCH TRIAL PREPARATION

Prepare a 1.2% solution of FermoBent® PORE-TEC. Start by mixing 1.2g of FermoBent® PORE-TEC with 80mL of deionized water in a 100mL flask. Once combined, bring the volume up to 100mL. Allow mixture to stand for 4-6 hours and agitate well before use.

Bench Trial Recommendations (*Per 100mLbottle*):

<u>Target Addition</u>	<u>g/hL</u>	<u>mL's of 1.2% Lab Dilution</u>
Control	0	0
1 lb/1000 gal	12 g/hL	1
2 lb/1000 gal	24 g/hL	2
3 lb/1000 gal	36 g/hL	3
4 lb/1000 gal	48 g/hL	4
5 lb/1000 gal	60 g/hL	5
6 lb/1000 gal	72 g/hL	6
7 lb/1000 gal	84 g/hL	7
8 lb/1000 gal	96 g/hL	8
9 lb/1000 gal	108 g/hL	9

Allow juice samples to settle a minimum of 24 hours before viewing results or running heat stability tests.

PACKAGING and STORAGE

Dated expiration. Store in a dry, well ventilated environment at a temperature between 5-25°C (41-77°F). Once hydrated, FermoBent® PORE-TEC should not be stored for more than 24 hours.

This information is herein true and accurate to the best of our knowledge; however, this data sheet is not to be considered as a guarantee expressed or implied, or as a condition of sale of this product.

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