

# ENOBENT® UF

## Purified natural sodium-calcium bentonite for ultrafiltration

### Product description

**Enobent® UF** is natural sodium-calcium bentonite ultra-finely milled especially designed for the fruit juice industry and the use in ultrafiltration plants.

**Enobent® UF** is a product based on purified bentonite, it is a low abrasion material that protects membranes and pumps in the ultra filtration process from damage.

**Enobent® UF** has a high clarifying capacity and can be used to remove turbidity caused by proteins and colloids.

### Specific advantages

The benefits of **Enobent® UF** are:

- low inert matter content: protects membranes and pumps in ultra filtration process from abrasion and damage
- good deproteinising action
- low heavy metals content
- high activity, low dosage
- deposit volumes reduce to a minimum

### Instructions for use

**Enobent® UF** slurry make-up

This product cannot be properly slurried because it is based on sodium - calcium bentonite; in any case it can be predispersed under continuous mixing in water.

### Dosage

The necessary amount of **Enobent® UF** might be determined through previous tests.

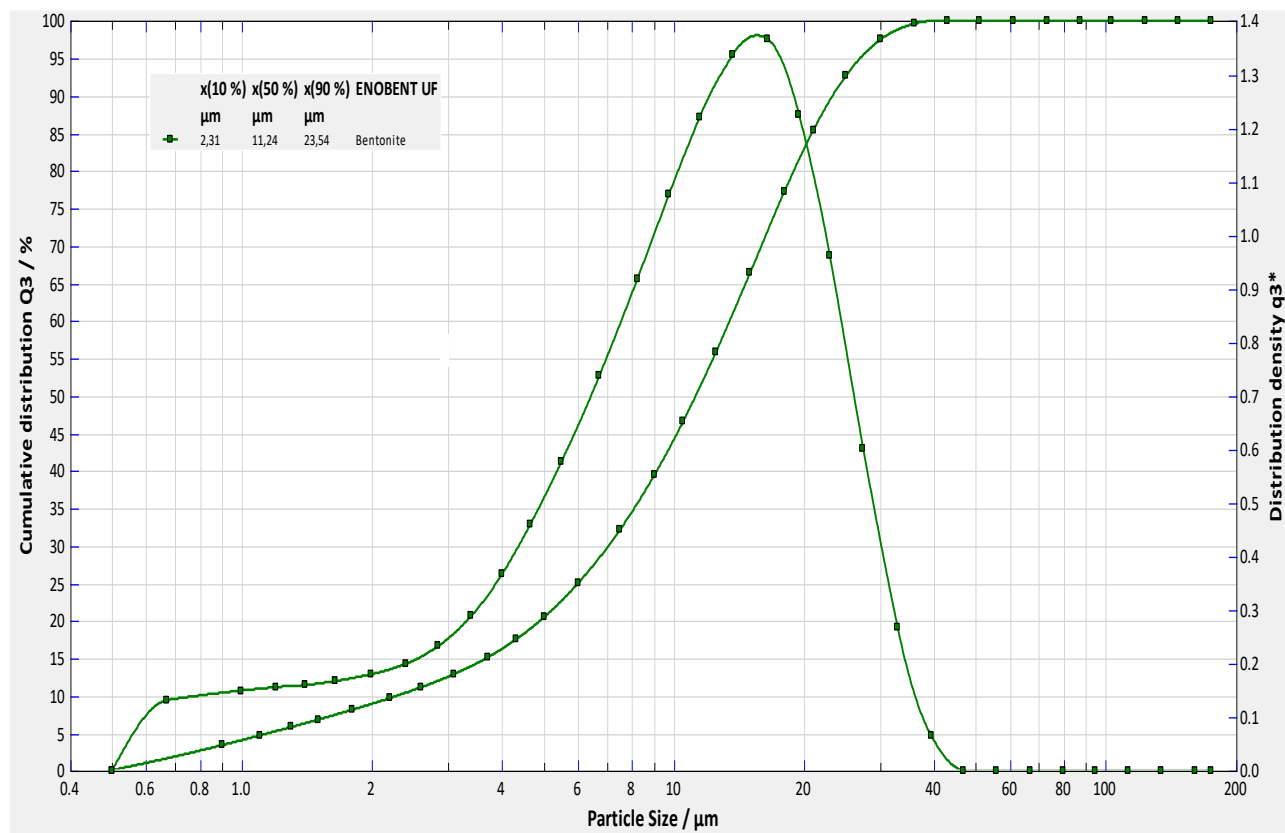
The recommended dose for **Enobent® UF** is 50-150g/hl.

### Packaging

**Enobent® UF** is available in 15 Kg or 20 Kg paper bags.

		<i>Enobent® UF</i>
<b>Chemical-physical characteristics (typical value):</b>		
Aspect	White powder (Hunterlab L 85-90)	
Moisture	[%]	8 - 12
Bulk density	[g/mL]	0,7 – 0,8
pH (suspension 5% wt - Codex Method)		9,5
Particle-size (dry residue on 45 micron)	[%]	max 0,3
Deproteinising strength (Codex Method)	[%]	45
<b>Typical value of soluble metals in tartaric acid 1%:</b>		
Pb	[ppm]	3,1
As	[ppm]	0,5
Na	[g/100g]	0,56
Ca	[g/100g]	0,7
Mg	[g/100g]	0,12
Fe	[g/100g]	0,01
<b>Chemical analysis (typical)</b>		[%]
Na <sub>2</sub> O		1,22
MgO		2,34
Al <sub>2</sub> O <sub>3</sub>		24,87
SiO <sub>2</sub>		60,55
P <sub>2</sub> O <sub>5</sub>		0,04
K <sub>2</sub> O		1,45
CaO		1,55
TiO <sub>2</sub>		0,25
MnO		0,01
Fe <sub>2</sub> O <sub>3</sub>		2,73
LOI		6,67

## Typical granulometric distribution



Residue 15 micron = 33,62  
 Residue 25 micron = 7,35  
 Residue 35 micron = 0,84  
 Residue 40 micron = 0,21  
 Residue 45 micron = 0,00  
 Residue 53 micron = 0,00  
 Residue 75 micron = 0,00

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### PRODUCTS FOR USE IN OENOLOGY

Laviosa Chimica Mineraria Spa products undergo continuous testing to ensure their purity and quality in accordance with the laws of Italy (DM 26 April 1969 – Substances for use in oenology) and the EU (REG.UE 2019/934), and international laws (International Oenological Codex)

Information given in this bulletin is based on the state of our knowledge at the date of publication and are believed to be accurate, but do not constitute any engagement or warranty from our part. Buyers and users should make their own assessments under their own conditions and for their own requirements. Information may be changed without any notice. For mandatory characteristics and performance please refer to our Sale Specifications.

