

# NUCLEOBENT

Granulated bentonite for "microdosage"

## CHARACTERISTICS

NUCLEOBENT is a special granulated bentonite that is characterized by:

- Not creating dust during its use
- Its high dispersion, which accentuates the colloidal characteristics of the montmorillonite, improving the adsorbent capacity, the clarification effect and reducing the rehydration times in comparison to traditional bentonites.
- Its "microdosage", allowing for maximum respect of the product, in particular of color and aroma
- Its fast and compact sedimentation
- Its pharmaceutical-grade purity, which avoids problems like transfer of undesirable compounds and odors into the must/wine

## APPLICATIONS

The elevated deproteinization power, the purity and granulation of NUCLEOBENT allow for obtaining protein stability in musts, wines, vinegars and juices with "microdoses", all while respecting the color and aromatic profile of the treated products.

NUCLEOBENT can be used:

- To block the natural and exogenous enzymatic activities (oxidases, pectinases,  $\beta$ -glycosidases,  $\beta$ -glucanases)
- For applications where the available rehydration time is brief and requires the use of bentonite with a high dispersion and high deproteinizing power.
- For its preventative action against "lightstruck"

## DOSAGE AND INSTRUCTIONS FOR USE

Dosage: 5-30 g/hL

NUCLEOBENT swells quickly in water already in a ratio of 1:10, however its performance improves with a 1:20 dilution. It is recommended to disperse NUCLEOBENT with a mechanical agitator to accelerate and optimize its rehydration.

## PACKAGING

1 kg Packs, 10 kg and 25 kg Bags

This product is not considered dangerous therefore a material safety data sheet is not necessary.

CHEMICAL ANALYSIS (%)	COMPOSITION E 558	SOLUBLE METALS (DM26/04/02)
SiO <sub>2</sub> : 55-57	Sodium activated bentonite	Fe: < 0,2%
Al <sub>2</sub> O <sub>3</sub> : 25-27	Montmorillonite: >95%	Na: < 1,5%
TiO <sub>2</sub> : 0,18-0,20	Colour: white-grey	Ca: < 2,5%
Fe <sub>2</sub> O <sub>3</sub> : 3,2-3,25	Deproteinization power	As: < 1,5 ppm
P <sub>2</sub> O <sub>5</sub> : 0,05	(CODEX method): >90%	Pb: < 6 ppm
MnO: 0,01	Moisture: 9,5-11,5%	Other heavy metals: < 10 ppm
MgO: 2,25-2,29		
CaO: 1,77-1,79		
K <sub>2</sub> O: 0,80-0,84		
Na <sub>2</sub> O: 2,53-2,55		