

NUCLEOBENT

Granulated bentonite for micro dosage

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 and the clarification effect
- Suitable for micro dosage, due to high purity and activation
- Less adsorption of anthocyanin
- Less rehydration times, in comparison to traditional bentonites
- 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 characteristics of **NUCLEOBENT** allow for obtaining protein stability in musts, wines, vinegars and juices with "micro doses". **NUCLEOBENT** can be used:

- To block the natural and/or exogenous enzymatic activities (oxidases, pectinases, β -glycosidases, β -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 "light struck"

DOSAGE AND INSTRUCTIONS FOR USE

Dosage: 10-40 g/hl

NUCLEOBENT swells quickly in water already in a ratio of 1:10, however its performance improves with a 1:20 dilution. In order to accelerate and optimize its rehydration, it is advisable to wait for 30 minutes before use of mechanical stirrer.

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 (%)

SiO₂: 55-57
Al₂O₃: 25-27
TiO₂: 0,18-0,20
Fe₂O₃: 3,2-3,25
P₂O₅: 0,05
MnO: 0,01
MgO: 2,25-2,29
CaO: 1,77-1,79
K₂O: 0,80-0,84
Na₂O: 2.53-2.55

COMPOSITION E 558

Sodium activated bentonite
Montmorillonite: >95%
Colour: white-grey
Deproteinization power
(CODEX method): >90%
Moisture: 9,5-11,5%

SOLUBLE METALS (DM26/04/02)

Fe: < 0,2%
Na: < 1,5%
Ca: < 2,5%
As: < 1,5 ppm
Pb: < 6 ppm
Other heavy metals: < 10 ppm