

Randalite

Beads for filtration.

FEATURES

Randalite are pearls that result from the treatment of a volcanic rock whose chemical composition consists mainly of silicon dioxide (SiO₂) and aluminum oxide (Al₂O₃), in addition to other compounds.

Randalite pearls have occluded water in combination, which gives it the exceptional property of expanding when subjected to high temperatures.

The expanded perlite, after delicate crushing and classification processes, is transformed into a filtering auxiliary whose particles, intertwined, can form an incompressible cake, with 80-90% of hollow spaces, through which the liquids to be filtered will pass, retaining the solid elements in suspension, even those of microscopic size.

APPLICATION

Randalite is used for the filtration of pharmaceutical or food liquids, such as wine, glucose, sugar, beer, musts, liqueurs, waters, oils and pharmaceutical products in general.

Randalite is a perlite especially suitable for making a consistent and easily manageable pre-coat in vacuum filters. Due to its low granulometry, it allows to obtain liquids with good clarity.

DOSAGE

Vacuum filter	10 – 15 kg/m ²
Pressure filter	50 – 200 g/hl

The dose to be used will depend on the desired clarity.

Note: Randalite W32, being a lower density perlite, allows a precoat thickness similar to that obtained with Randalite W24 (denser perlite) using a lower dose.

COMPOSITION

Perlite, a mineral of volcanic rocky origin.

HOW TO USE

Like most filtration aids, it can be used by making a pre-layer by means of alluvation.

In the rotary vacuum filter, a pre-layer is made by adding the perlite to the liquid in the mixing tank.

It is recommended that it be water, or rather, the product already filtered. In this type of filtration there is no alluvial.

In pressure filtration, in addition to the pre-layer, a small amount of perlite is periodically added to the liquid to be filtered, this is what constitutes the alluvium.

PHYSICAL APPEARANCE

Fine and light powder with high porosity. White color.

PRESENTATION

Randalite W24: 16 kg bags. 720 kg pallets.

Randalite W32: 13 kg bags. 585 kg pallets.

PHYSICO-CHEMICAL PROPERTIES

	EP 790 (rev.2)	EP 789 (rev.2)
Randalite	W24	W32
Permeability [Darcy]	2 - 3	3 - 4.5
Cake Density [g/L]	190 - 230	160 - 180
Photos (20g/250ml) [ml]	< 32	< 40
Dry Density [g/L]	110	70
Granulometry 160 µm [%]	7	12
Humidity [%]	< 1	< 1
pH (10%)	7.5 - 10	7.5 - 10
Ashes [%]	< 3	< 3
Fe [mg/kg]	< 300	< 300
As [mg/kg]	< 5	< 5
Pb [mg/kg]	< 5	< 5

Hg [mg/kg]	< 1	< 1
Cd [mg/kg]	< 1	< 1

HOW TO STORE

Store in the original packaging in a cool and dry place, free of odours.

Once opened, the container must be used immediately.

Optimal consumption date: 2 years.

RGSEAA: 31.00391/CR

Product in accordance with the International Oenological Codex and Regulation (EU) 2019/934 and subsequent amendments.