

BPCLARIS®

claris-UF

p30 UF

p50 UF

Combined calcium-sodium bentonite of exceptional purity and high efficiency for use in ultrafiltration systems

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BPCLARIS UF® is a combined calcium-sodium bentonite of exceptional purity and high efficiency for use in ultrafiltration systems.

PRODUCT DESCRIPTION

Clarip-30 UF, p50 UF are combined calcium-sodium bentonites of exceptional purity in the form of a very fine powder intended for clarification and stabilisation absorption of proteins and colloids in fruit juices, which are adapted to ultrafiltration systems. A Clarip-30 UF, p50 UF are produced from a carefully selected bentonite from our own deposits. A high content of active mineral montmorillonite (88-92%) ensures high efficiency of this product. Due to the exceptional powder finishing and low content of solid matter (below 1%), Clarip-30 UF, p50 UF protect membranes and pumps from damage and abrasion in the ultrafiltration process.

DIRECTIONS FOR USE

Clarip-30 UF, p50 UF must be hydrated prior to their use. Hydration is a very important process in the preparation of Clarip-30 UF, p50 UF for use, which is achieved by steeping the product into water. The best effect is obtained by using distilled or common water heated to 40-50°C in the initial stage of hydration. The use of distilled water for hydration instead of common water, or particularly hard water, favourably reflects the product efficiency. Clarip-30 UF, p50 UF may as well be hydrated in common, clear and cold water. Clarip-30 UF is to be poured in 8-fold quantity of water (1kg Clarip-30 UF into 8 litres of water), by infusing it into a canister filled with half the required amount of water, while mixing it intensively for several minutes until a uniform suspension is obtained. After that, the remaining half of the required amount of water is added to the suspension, which is then mixed intensively and left to stand. Clarip-p50 UF is to be poured in 12 -fold quantity of water (1kg Clarip-p50 UF into 12 litres of water), in the same way as described above for Clarip-p30 UF. The suspension should stand still for at least 4-6 hours or optimally for 12 hours in order to reach the best effectiveness. Prior to the moment of its use, the suspension needs to be stirred intensively at least two more times. Hygienic conditions of hydration are to be minded strictly, and prior to its use, the suspension must be checked to make sure it is unpolluted and with no odour. The excess of water above the suspension should be carefully removed immediately before use. The suspension is poured into fruit juice, which is then stirred in order to array suspension fully and uniformly. Further procedure should be carried out in accordance with recommendations of an oenologist.

DOSAGE

According to the results of the test for optimal dosage. Due to the high content of the active mineral, the optimal dosage is expected to be 10-30% less than with the majority of similar products on the market.

CHARACTERISTIC PARAMETERS

	PARAMETER	UNIT	VALUE	
			Clarip-p30 UF	Clarip-p50 UF
1	Montmorillonite	%	88-92	88-92
2	C.E.C.	meq/100g	90-120	90-120
3	Moisture	%	4-8	4-8
4	pH (5g/100ml)		8-10	8-10
5	Colour	visually	Beige to light grey	Beige to light grey
6	Wet screening residue >45 µm ≥100 µm	%	<0,50 ≤0,01	<0,50 ≤0,01
SOLUBLE METALS				
7	As	ppm	<2	<2
8	Pb	ppm	≤20	≤20
9	Fe	%	≤0,10	≤0,10
10	Na	%	≤0,45	≤0,55
11	Ca	%	≤0,75	≤0,65

PACKAGING

Clarip-p30 UF, p50 UF are packed into packages of 1kg and 20kg.

SHELF LIFE AND STORAGE

Clarip-p30 UF, p50 UF should be used within 2 years from the packing date. Clarip-p30 UF, p50 UF have distinct absorptive properties and should be kept in sealed original package until their usage. Dark, clean, dry and ventilated rooms are to be used for storage. The product should be kept from contact with moisture and intensive odours. In case of inappropriate storage, the producer bears no liability for the product quality.

QUALITY CONTROL

Clarip-p30 UF, p50 UF are subject to regular quality and health checks in accredited laboratories. BENTOPRODUCT LTD operates in accordance with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018, while products from the BP Claris Group also have the Kosher and HALAL certificates.

NOTE: The provided specifications and parameters are not binding for BENTOPRODUCT Ltd. and refer to the results obtained in laboratory conditions with the usual fault tolerance. These tests and obtained results serve primarily to examine the suitability of the product for the given areas of application. No guarantees of the specific characteristics can be derived from the given data and they do not relieve users from the obligation to conduct their own necessary tests. Bentoproduct Ltd does not accept any liability for damages resulting from the inadequate or incorrect application of the product.