



CelluFluxx®

Pure cellulose-based filtration aid

Product description

CelluFluxx® is a cellulose filtration aid in various grades of fineness, specifically tailored to beverage filtration requirements. The fibres are extremely pure as the result of a complex extraction process during manufacture. The individual product type's fineness is determined by a special milling and fibrillation of the different fibres. The special celluloses manufactured in this way are obtained from sustainable raw materials (deciduous and coniferous timbers) and are therefore 100 % organic. Cellulose is biodegradable and therefore also ideally suited to agricultural recycling.

CelluFluxx® does not contain any crystalline components and is not harmful to health.

CelluFluxx® is in particular characterised by its filtration properties, which are gentle on the product. The filter celluloses form a loose filter cake with a high pressure surge elasticity. These properties prevent particle breakdown and cracking in the filter cake. The loose filter cake furthermore causes a much increased total throughput, considerably reducing the quantity of filtration aid used. This results in a corresponding reduction of product loss and the quantity of waste.

Dosage

The quantities used are governed by the individual circumstances. The quantities used may vary greatly depending on the initial turbidity of the product to be filtered and the degree of clarity desired in the filtrate.

A base filter cake is first obtained on the filter backing fabric by precoat for precoat filtration of beverages. Initial precoat with CelluFluxx® P30 cellulose and a second precoat with the same type, or a mixture as for the regular dose is recommended for precoat filters with a stainless steel screen cloth. The initial precoat improves removal of the used filter cake from the stainless steel screen cloth, whilst the second precoat acts as a clarifying layer for targeted turbidity reduction. A defined volume of kieselguhr filtration aid is added to the product stream to maintain drainage in the growing filter cake during ongoing filtration.

Choice of the appropriate product type is governed by the specific conditions and requirements. Erbslöh supplies products selected to meet requirements in varying degrees of fineness, which can be used individually or as a mixture (see reverse). Erbslöh also provides detailed recommendations for use.

Storage

CelluFluxx® filter cellulose should be stored in a dry, odour-free place. Containers which have been opened should be immediately tightly sealed.

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The application recommendations given herein describe the intended use of the product as a processing aid or additive as part of a good manufacturing practice. Only this application can lead to a food safety of the final product. However, please note: Our technical product leaflets are based on our current knowledge and experience. They have to be seen as general information on our products only. Due to the imponderabilities of treating natural products and the potential prior treatment we cannot accept any liability. Accordance with all national laws and regulations for use of our products has to be ensured by each user. All data is therefore provided without any warranty. All information is subject to change without prior notice. Our general terms of business apply, please refer to www.erbsloeh.com.
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Type overview

CelluFluxx® P50

Extra-long fibres for coarse filtration and for drainage formation in the filter cake. CelluFluxx® P50 has been developed specifically for use in chamber filter presses and rotary vacuum filters. The long fibres strengthen the filter cake and furthermore provide high throughput rates with good turbidity reduction.

CelluFluxx® P30

Long fibres specifically for initial precoating. The fibres have a smooth surface structure, avoiding “snagging” in the backing fabric. The fibre length evens out irregularities in the backing fabric and therefore ensures certain bridging on the backing fabric.

CelluFluxx® F75

Medium length to long fibres for clarifying filtration. These fibres are fibrillated and are suitable for second precoating and for regular dosing. Turbidity reduction is limited and the fibre type is better suited to coarse filtration.

CelluFluxx® F45

Medium-length fibres for fine filtration. These fibres are strongly fibrillated and are suitable for second precoating and for regular dosing. The strong fibrillation creates a good internal structure in the filter cake, into which it is possible to solidly embed finer product types. Turbidity reduction is high and the fibre type is intended for fine filtration.

CelluFluxx® F25

Short fibres for abrupt fine filtration. These fibres are cubic and are suitable as an admixture or pure for second precoating and for regular dosing. Use of this type of fibre can specifically influence the degree of clarity.

CelluFluxx® F15

Extra-short fibres for abrupt filtration and antimicrobial filtration. These fibres are used instead of or in conjunction with CelluFluxx® F25 to increase the speed of clarification.

