

Enzyme combination product for glucan and starch degradation and to improve filtration capacity in breweries

Product Description

Beerzym COMBI is an enzyme combination preparation consisting of thermolabile and thermostable fungal- β -glucanase, as well as a fungal amylase for glucan and starch degradation for the improvement of the filtration capacity and performance in breweries.

Purity and quality of Beerzym COMBI are proved by specialized laboratories.

Aim of Treatment

Beerzym COMBI improves filtration capacity and performance during beverage filtration and thus equally increases the total capacity.

Product and Effect

Beerzym COMBI acts on colloiddally dissolved substances in the beverage, specially α - and β -glucans, moreover on polyphenols and proteins which may lead to reduced filter throughput, respectively to a clogging of the filter.

Application and Dosage

Beerzym COMBI is ideally added to the beverage e. g. into the storage tank, in a concentration of 100-250 mL/hL.

For breweries brewing according to the purity law - which means, the addition to the product is not allowed - the following application in the course of filter regeneration can be used as alternative:

A 0.2-0.5 % solution of Beerzym COMBI is prepared and is pumped in circuit through the filter plant. It is very important to adjust the pH-value of the solution to pH 4.1-5.0. An organic or a diluted inorganic acid can be used for this purpose, respectively NaOH or KOH. The optimum of activity of the solution is in the temperature range between 30-55 °C. Ideally, the solution is run in intervals, i. e. pumping phase approx. 15 minutes, detention time 20-30 minutes. The operation of the total cycle depends on the degree of soiling of membranes or filter unit which can be followed up by a decrease in pressure differences.

Storage

Optimal storage is at 0-10 °C. Higher storage temperatures lead to reduced shelf life. Avoid temperatures above 25 °C. Reseal opened packagings tightly and use up soon.

Please note:

When applying Beerzym COMBI the food regulations of the individual countries currently in force have to be adhered to.