



e.Clean Tools

Enzymatic cleaning of processing equipment

Product description

e.Clean Tools is a liquid blend of specialized enzyme activities to loosen persistently adhering plant matter in typical processing items of fruit or vegetables industries. This counts for surface areas of tank vessels, tubes, stirrers, homogenisers, sieves and many more. The blend consists of a wide range of highly effective glucanases and pectinases (including hairy region pectinases).

Dosage

e.Clean Tools shows its best efficiency in slightly acidic media – pH 4.5 - 5.5 – with a temperature range of 45 - 60 °C. Non-acidified media application is possible with prolonged reaction time.

The enzymatic cleaning step may follow an initial water flush of the processing tools. e.Clean Tools is applied with spraying a 2 % dilution on major surface areas (e.g. tank vessels, press cages, filter cloths, water channels) or by permanent circulation of an 0.2 % dilution in closed systems (e.g. tube network, adsorber units, membrane filter, etc.). Following chemical cleaning steps and water flushing will rinse off easily former adhered organic films. In case of a low risk for spoilage a closed system may rest with the enzyme solution for up to 60 h.

Storage

Optimum storage is at 0 - 10 °C. Higher storage temperatures reduce shelf life. Temperatures above 25 °C should be avoided. Opened containers should be tightly sealed and used as soon as possible.

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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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