

# SpiritoZym MAG

*Amyloglucosidase enzyme*

## DESCRIPTION

SpiritoZym MAG is an amyloglucosidase enzyme produced from a carefully selected strain of *Aspergillus niger*. This enzyme is an exo-1,4- $\alpha$ -glucosidase, which means it has the remarkable ability to release glucose units from the ends of liquefied starch chains. SpiritoZym MAG is particularly efficient at hydrolyzing both the  $\alpha$ -D-1,6-branches and the  $\alpha$ -D-1,4-polymeric linkages of starch. As a result, only glucose compounds remain, ensuring a smooth and complete fermentation process.

One of the standout features of SpiritoZym MAG is its optimal activity at 60°C and within a pH range of 4-5. This makes it incredibly versatile and effective in various conditions. SpiritoZym MAG can be used after a coarse starch hydrolysis of grain mash, and its application is highly recommended during fermentation. This not only helps to avoid yeast osmotic stress but also prevents potential contamination from unwanted microorganisms.

With SpiritoZym MAG, it is possible to achieve a regular and complete fermentation kinetic, making it an indispensable tool for anyone looking to enhance their fermentation process.

## DOSAGE

0,5L-1L / ton (0,13-0,26 gal/ton) of dry material.

The optimal enzyme dosage is valued according to the distillery production.

## PACKAGING & STORAGE

SpiritoZym MAG is supplied in 10 kg drums.

Sealed package: store away from sunlight in a cool and dry place, preferably between 4°C-15°C.

Opened package: carefully reseal and store in refrigerator. use within one year.

## COMPLIANCE

*This product may be subject to regulatory restrictions in certain jurisdictions and may vary by country. The user is responsible for determining and ensuring compliance with all applicable laws and regulations and must verify local applicability.*

The indications given here correspond to the current state of our knowledge and experience, however they do not relieve the user from compliance with safety and protection regulations or from improper use of the product.

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