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Technical Data Sheet

WHC Amylase Enzyme

Description

WHC Amylase Enzyme is an alpha-amylase from *Bacillus subtilis* used for starch liquefaction at relatively high temperatures, producing soluble dextrans as well as some small amounts of maltose and glucose. The enzyme is an endo- α - amylase randomly hydrolyzing the α -1,4-glucosidic linkages of starch, and Improves the fluidity of the mash by quickly reducing the viscosity of the gelatinized starch.

Usage

WHC Amylase Enzyme is typically added at the suggested dose of 200-300ml per tonne of cereal.

Ingredients Declaration

Amylase, α -⁽¹⁾ (5 - <10%)

CAS-No.: 9000-90-2

EC-No.: 232-565-6

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Resp. Sens. 1, H334

chlorure de calcium⁽¹⁾ (<5%)

CAS-No.: 10043-52-4

EC-No.: 233-140-8

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Eye Irrit. 2 (H319)

Technical Specifications

Visual Description	Brown liquid
Activity	4,000 U/ml
Optimum pH	5.5-6.5
Optimum Temperature	60°C to 80°C <u>or</u> 140°F to 176°F
Dosage	200-300ml/tonne of cereal

Packaging

WHC Amylase Enzyme is available in 1kg, 5kg and 25kg drums and 1125kg IBC tanks. These materials comply with relevant food-contact legislation, including, EU Regulation 1935/2004 (materials intended for contact with food), EU Regulation 1245/2020 (plastic materials intended for contact with food)), EU Regulation 2023/2006 (GMP for materials intended for contact with food), and FDA CFR 21 (174-179) (USA).

Storage and Handling

Storage Conditions:	Avoid direct exposure to sunlight or moisture while transporting and storing in cool, dry areas. Keeping original sealed container below 15°C.
Shelf life:	As stated on the pack. Additionally, Enzymes may become less effective over shelf-life, but they can still be used; usage should be increased accordingly.
Handling:	<i>Care should be taken to avoid unnecessary skin contact during handling.</i> <i>Please request a Material Safety Data Sheet/MSDS for further advice.</i>

If you have any questions or concerns about our product please contact us at lab@whclab.com