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## Technical Data Sheet

### WHC Beta Glucanase Enzyme

#### Description

A targeted beta glucanase that reduces wort viscosity by breaking down beta-glucans in barley and adjuncts. Improves mash filtration, lautering speed, and brewhouse throughput while enhancing extract recovery and process consistency.

#### Usage

Trials are needed to optimize, but a targeted rate of 0.03- 0.16kg per tonne of raw materials into the mash.

#### Ingredients Declaration

$\beta$ -glucanase (5%)

CAS-No.: 9025-70-1

EC-No.: 3.2.1.4

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

#### Technical Specifications

Visual Description	<i>Yellow brown liquid. Color may vary from batch to batch. Color intensity is not an indication of enzyme activity.</i>
Dosage	<i>0.03- 0.16kg per tonne of raw materials</i>
Optimal Temperature	<i>37°C to 78°C <b>or</b> 98.6°F to 172.4°F</i>
Optimal pH	<i>3.3-7.2</i>

## Packaging

WHC Beta Glucanase Enzyme is available in 25kg drums or 1125kg IBC. 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:	<p>Avoid direct exposure to sunlight or moisture while transporting and storing in cool, dry areas. Keeping original sealed container at or below 25°C. Product lasts longer if kept in 4°C to 10°C cold storage.</p> <p>Keep sealed after use every time to avoid microbial infections and inactivation of enzymes until its finish.</p> <p>Slight sedimentation is acceptable since it will not impact performance of the product.</p>
Shelf life:	12 months if stored as above.
Handling:	<p><b>For Safety:</b> Enzyme preparations are proteins that may induce sensitization and cause allergic type of symptoms in susceptible individuals. Prolonged contact may cause minor irritation for skin, eyes or nasal mucosa. Any direct contact with the human body should be avoided. If irritation or allergic response for skin or eyes develops, please consult a doctor.</p> <p><b>Please request a Material Safety Data Sheet/MSDS for further advice.</b></p>

If you have any questions or concerns about our product please contact us at [lab@whclab.com](mailto:lab@whclab.com)