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Technical Data Sheet WHC Acid Protease

Description

A specialised acid protease that is active at lower pH ranges, improving protein hydrolysis during fermentation and maturation. Enhances yeast nutrition, clarity, and flavor stability while supporting efficient processing.

Usage

The recommended dosage is 0.04-0.1kg per tonne of dried materials.

Technical Specifications

Visual Description	<i>Snuff color liquid. Color may vary from batch to batch. Color intensity is not an indication of enzyme activity.</i>
Activity Temperature	30°C to 50°C or 86°F to 122°F
Optimal Temperature	40°C to 45°C or 104°F to 113°F
Activity pH	2.5-6.0
Optimal pH	3.0-3.5

Packaging

WHC Acid Protease Enzyme is available in 25kg jerry cans. 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 at or below 25°C. Product lasts longer if kept in 4°C to 10°C cold storage. Keep sealed after use every time to avoid microbial infections and inactivation of enzymes until its finish.
Shelf life:	12 months if stored as above.
Handling:	For Safety: <i>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.</i> Please request a Material Safety Data Sheet/MSDS for further advice.

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