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| Revision 1   | 20-Mar-2026     |
| Approved By: | Philip Woodnutt |

## Technical Data Sheet WHC Thiol Blend Enzyme

### Description

A specialised enzymatic blend with carbon sulphur lyase action designed for the extraction of aromatic compounds such as A-3SH, 3SH, 4 MMP from precursors.

### Usage

The recommended dosage during fermentation is 1 - 5 g/hl.  
Well mixed before addition.

### Ingredients Declaration

Proteinase, Aspergillus acid (5 - <10%)

9025-49-4

232-796-2

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

Pectinase (5 - <10%)

9032-75-1

232-885-6

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

Cellulase (<5%)

9012-54-8

232-734-4

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

### Technical Specifications

|                      |  |
|----------------------|--|
| Visual Description   | <i>Beige. Color may vary from batch to batch. Color intensity is not an indication of enzyme activity.</i> |
| Dosage               | 1 - 5 g/hl   |
| Activity Temperature | 10°C to 40°C <b>or</b> 50°F to 104°F   |
| Activity pH          | 3-7.5  |

## Packaging

WHC Thiol Blend Enzyme is available in 100g and 20kg packages. 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

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|---------------------|--|
| 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>  |
| Shelf life:         | 3 years if stored as above.  |
| Handling:           | <p><b>For Safety:</b> <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></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)*