

## ENZYMES

## GLUCANASE

## TECHNICAL DATA SHEET

## Description

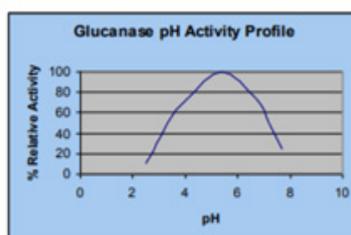
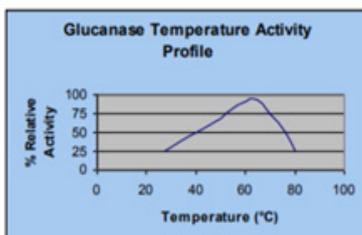
This enzyme solution, produced using selected strains of *Trichoderma reesei* and *Penicillium funiculosum*, is specifically designed to hydrolyse beta-glucans and non-starch polysaccharides, improving wort filtration, beer clarity, and process efficiency.

## Benefits

- Enhanced mash filtration
- Decreased wort viscosity and improved run-off times
- Increased extract yield
- Reduced haze in finished beer
- Improved filtration performance

## Principle

$\beta$ -Glucans in barley have high viscosity, leading to challenges in wort separation and beer filtration. Murphy's Glucanase effectively mitigates these issues, offering enhanced resistance to temperature and pH compared to barley-derived glucanases. Additionally, this enzyme provides xylanase and hemicellulase activity, further improving process efficiency and beer quality.



### PRODUCT CODE

GLUC

### COMMODITY CODE

35079090

### PACKAGING (kg)

5, 25, 100 kg

### STORAGE

Keep in original container.  
Keep container sealed when not in use.

### Temperature

Recommended storage temperature is 5°C - 12°C.

Do not allow the product to freeze.

### Location

Store in cool conditions away from direct sunlight.

### Shelf Life

At the recommended storage conditions, one year from date of manufacture.

## Application & Rates of Use

### Brewhouse:

Add Glucanase directly to the mash at a rate of 0.5–1 kg per MT of grist, depending on the  $\beta$ -glucan content and mash composition.

### Fermentation:

In the fermentation vessel, use Glucanase at a rate of 7–20 mL/hL.

### Conditioning:

In the conditioning tank, add Glucanase at a rate of 7.5–20 mL/hL.

## Guidelines For Use

- Check that the product is within its shelf life before use
- Ensure that the enzyme is well mixed / evenly dispersed in your mash / wort
- Read the Safety Data Sheet prior to use

## TECHNICAL SUPPORT

+44 (0) 115 978 5494 | [techsupport@murphyandson.co.uk](mailto:techsupport@murphyandson.co.uk)

### REGULATORY COMPLIANCE INFORMATION

Refer to the '**Product Specification Sheet**' or contact us on:  
+44 (0) 115 978 5494 | [compliance@murphyandson.co.uk](mailto:compliance@murphyandson.co.uk)

	Product name : Glucanase
	Product code: GLUC
For Health & Safety Information refer to the Safety Data Sheet.	Doc Ref: TDS040
	Issue Date: 19/02/2025
	Issue Number: V01
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