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TECHNICAL DATA SHEET

TDS-ENZ139-EN · REV. 02 · 2026-11-03

Liquid Beta Glucosidase Enzyme Cellobiase 4,000u/ml

Liquid beta-glucosidase (cellobiase) that hydrolyses cellobiose and releases glucose from glycosides.

SKU **ENZ139** CATEGORY **BETA-GLUCOSIDASE** OTHER NAMES **CELLOBIASE** CAS **9001-22-3** GRADE **FOOD GRADE**

Food grade · Produced by submerged fermentation · Not restricted for transport

DECLARED ACTIVITY	OPTIMUM TEMPERATURE	OPTIMUM PH	SHELF LIFE
4,000u/ml	**50°C-65°C**	**4.0-5.0**	**12 months**
as stated on the product page	working range 35°C-68°C	working range pH 3.5~6.0	sealed, see storage below

SPECIFICATION

IDENTITY	
CAS	9001-22-3 Typical
Other names	Cellobiase Typical
ACTIVITY	
Declared activity	**4,000u/ml** Typical
PHYSICAL	
Appearance	Liquid Typical
Colour	Light brown Typical
Bulk density	1.05-1.20 g/ml Typical
WORKING WINDOW	
Temperature range	35°C-68°C Typical
Optimum temperature	50°C-65°C Typical
pH range	3.5~6.0 Typical
Optimum pH	4.0-5.0 Typical
PURITY AND HYGIENE	
Lead	≤5.0 mg/kg Typical
Arsenic	≤3.0 mg/kg Typical
Salmonella (25mL)	Not Detected Typical

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Keep sealed in a dry and cool place and avoid direct sunlight

PACK SIZE
1 kg / bag

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Gentiooligosaccharide production
Uses glucosyltransferase activity to form gentiooligosaccharide from glucose.

Cellulase booster
Complements cellulase to raise its performance by as much as 20%.

Aroma release in tea, fruit and vegetables
Removes sugar groups from glycoside precursors to release aroma aglycones.

Debittering
Decomposes laetrile into benzaldehyde, hydrocyanic acid and glucose to reduce bitterness.

Plant extract processing
Improves the polydatin yield.

DOSAGE

0.1-5 kg/t DS

per tonne of dry substrate (DS)

Trial start	**Begin with a convenient volume**
Rate basis	**Optimised for each application, raw material specification, product expectation and processing parameters**

Optimise the rate for each application before full-scale use.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/halal-certified-liquid-beta-glucosidase-enzyme-cellobiase-enzyme-cas-9001-22-3

Enzyme preparations are proteins that may induce sensitization; avoid direct skin contact and consult a doctor if irritation or allergic response develops. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER