

Lysozyme, fermentation-derived

Cat. No. CLGZ-004

Lot. No. (See product label)

Introduction

Description	Lysozyme is a glycoside hydrolase that cleaves beta-(1->4) linkages in bacterial peptidoglycan, supporting controlled cell-wall hydrolysis.
Applications	Food-processing formulations and enzyme systems requiring peptidoglycan hydrolysis.
Synonyms	Muramidase; peptidoglycan N-acetylmuramoylhydrolase

Product Information

Source	Microbial fermentation
EC Number	EC 3.2.1.17
CAS No.	9001-63-2
Activity	2,000 U/mg
Specific Activity	2,000 U/mg
Specificity	beta-(1->4) linkages in bacterial peptidoglycan
Function	Hydrolyzes the glycan backbone of bacterial peptidoglycan.
Substrates	Bacterial peptidoglycan
Quality	Vegan This sample is tested in accordance with EP 12.0, all items comply with requirements.
Grade	Food Grade
Reaction	Hydrolysis of beta-(1->4) linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in peptidoglycan.
Notes	The activity value should be interpreted using the assay definition provided in the batch-specific product documentation.