



# LysoMax™

NON-ALLERGENIC/EGG-FREE LYSOZYME  
(Wine & Cheese Making)

# Lysomax™

NON-ALLERGENIC/EGG-FREE LYSOZYME  
(Wine & Cheese Making)

## Product Description

Fermented Lysozyme concentration powder form bacterial origin. For use into processed foods as shelf-life extender and protection against spoilage and pathogenic bacteria. Causes decomposition of both families Gram-Positive and Gram-Negative, and more specifically *Clostridium tyrobutyricum*.

In comparison with Egg-lysozyme **Lysomax™** shows a broader spectrum of activity and higher antibacterial properties, protecting shelf-life of products and meeting producers and consumers demand for a non-allergenic/natural products. **Lysomax™** presents an spectacular Cost-in-Use performance compared to Egg-Lysozymes.

**Effective against vegetative cells of Clostridium Tyrobutyricum, Lysomax™** has no impact on yeasts and moulds.

## Applications

*Cheese Making (20-30 mg/kg)*

*Do not inhibit starter cultures or impact physical and/or organoleptic properties of cheese. Effective against vegetative cells of Clostridium tyrobutyricum that cause late blowing, rancidity and other defects in cheese, **Lysomax™** do not affect to cheese and cheese making technology. This product is the alternative to chemical preservatives as potassium nitrate, etc.*

*Wine Making (5-15 mg/L)*

*Effective prevention of spoilage lactic acid bacteria and control of malolactic fermentation MLAcF. It can be used as partial alternative to sulphites and as a stabilizer of wines after-alcoholic fermentation or MLAcF.*

## Specifications

**Activity:** equal and/or superior to  $5.0 \times 10^7$  FIP units/g protein

**Appearance:** White Powder /Also available in liquid form (White to white-off liquid)

**Total Bacterial Count:** less than 10/g

**Heavy Metals (Total):** less than 10

**Arsenic (ppm):** 1 Max.

**Mercury (ppm):** 1 Max.

**Lead (ppm):** 1 Max.

**Packaging:** 5 kg bag/bottle, 25 kg thermo-sealed polybag./Alternatively 20, 100, 1000 L – Containers.(consult options)

**Shelf-Life and storage conditions:** 24 months store if unopened under 20°C in dry conditions, away from direct sunlight exposure and odorous products. Once opened, store around 20°C in original containers.

## Regulation

**FDA-US:** approved as preservative (GRAS) in the US

**EU:** Approved as E-1105 under European Additives Directive to prevent late blowing in ripened cheese.

**Also approved in Australia, Canada, China, Japan and South Korea.**

**OIV/WIO** has approved as active ingredient up to the level of 500 ppm (50g/Hectolitre). EU approved the use of Lysozyme (October, 2006).

**Lysomax™** is an **All-Allergen-Free** Lysozyme so does not contain any ingredients, traces and/or components that may induce allergen reactions or allergen-mediated reaction after ingestion.

ND Pharma & Biotech Co.  
Church Street, Great Bookham  
Surrey, England  
United Kingdom  
KT23 3PB

[www.ndpharmabiotech.com](http://www.ndpharmabiotech.com)  
[info@ndpharmabiotech.com](mailto:info@ndpharmabiotech.com)

Tel# (+44)(0)7045-758-894  
Tel# (+44)(0)7622-153-841  
Fax# (+44)(0)8452-643-106



ND Pharma & Biotech is a biopharmaceutical company that discovers, develops and commercializes innovative products and therapeutics in areas of unmet medical, food, nutritional, agro, industrial and many other needs. The company mission is to advance the care of people suffering from certain diseases, worldwide and to make life better promoting green chemistry issues and removing certain chemical toxics from our daily lives. Company also acts as a chemical supplier and molecular provider including certain rare molecules and hard-to find compounds, APIs Intermediates, Reactives, etc. Headquartered in Surrey, England, UK, ND Pharma & Biotech Company has operations worldwide thru a network of commercial and industrial partners, both companies and/or corporations.

PreserFood, Acarisin, Moldstop, Mycostop, Glaice, Lactolife, Acqualife, SterilFood, Fruitfresh, Kangen, Alkiow, Noceptil, Noogluti, Inofish, Zoeltar, Bacterskin, Bacterskin 5000, Pindilpol, Veri-K and Veri-K Series, X-Fresh, Acnifol, Glucospart, Mitoprotect, Citrusol, Inhusol, Stevisol, Sucrasol, Acek, 250, PureATP, Aminoprot 100, Asparsol, EcoEff, Anisakill, Calcior, Ferristat, Chiknsafe, Cocqwa, Maltolan DRM, Monki, Peppersol, Reduxait, Vegafresh, Sugar 50, Sugar 20, Florafresh, FishFresh, Zellitem, Tancream, Psoriacrem, Ovofresh, Xantamar, Mohostop, PS454 Nitroboost, PS452 Glicobost, M.A.R.S. (Micro Alcohol Reaction System) and many others, are registered trademarks of ND Pharma & Biotech Co. Ltd. And/or some of its related companies. Marks may not be available everywhere.

For product information, territorial availability, terms and conditions and/or any other relevant information please visit us at [www.ndpharmabiotech.com](http://www.ndpharmabiotech.com) or alternatively write us an e-mail to: [info@ndpharmabiotech.com](mailto:info@ndpharmabiotech.com), referencing and stating clearly the purpose of your communication.