

LYSOCH® L4

PRODUCT DESCRIPTION SHEET

Code 0403	File name PDS0403	Analyst Ms. Shah	Version 03	Date 02/02/2022
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DESCRIPTION

Lysoch® L4 is a Lysozyme concentrate that is an antimicrobial enzyme produced by food cultures, it mainly inactivates both gram-positive and gram-negative bacteria in cheese.

KEY BENEFITS

- Lysis of Gram-positive & Gram-negative bacteria
- Ineffective against Yeasts and Molds
- Shelf-life extension
- Natural and Consumer-friendly label

APPLICATION AREAS

Cheese

DIRECTION FOR USE

The recommended dosage for Lysoch® L4 is 40-160ml/MT of milk, it may be mixed directly into milk before cheese processing.

ACTIVITY

Activity in FIP Units/ml $\geq 1.5 \times 10^6$ IU/ml protein*

*The exact activity variations may occur from batch to batch.

COMPOSITION

Lysozyme (w/w) $\geq 2.5\%$
Water (w/w) $\leq 97.5\%$

*The exact percentage variations may occur from batch to batch.

HEAVY METALS

Total heavy metal (mg/kg) ≤ 10
Lead (mg/kg) ≤ 1
Arsenic (mg/kg) ≤ 1
Mercury (mg/kg) ≤ 1

MICROBIOLOGICAL SPECIFICATIONS

Total Plate Count (CFU/g) $\leq 1,000$
Enterobacteriaceae (CFU/g) Absent
Salmonella spp. (/25g) Absent
Staphylococcus aureus (/25g) Absent

PHYSICAL / CHEMICAL SPECIFICATIONS

Appearance* Transparent liquid
pH (1% aq sol.) 2.5-4.5

*Appearance may vary from batch to batch.

PACKAGING

Lysoch® L4 is available in 1 L/bottle with integral, tamper-proof seals. Packaging is available in other quantities.

Plastic bottle materials comply with Regulation (EU) No 1935/2004, 2023/2006 and 10/2011.

STORAGE

The shelf life is 24 months when stored unopened at room temperature in dry conditions, away from direct sunlight and odorous products.

When opened, store at room temperature in the original container.

ALLERGENS

Components	Yes / No
• Peanut or its derivatives	No
• Tree nuts, macadamia nuts, pecans, pine nuts, pistachios and walnuts or their derivatives	No
• Sesame or its derivatives	No
• Eggs or its derivatives	No
• Fish or its derivatives	No
• Crustaceans and shellfish or their derivatives	No
• Soy or its derivatives	No
• Wheat, triticale or their derivatives	No
• Mustard or its derivatives	No
• Milk or its derivatives (e.g. Lactose)	No
• Sulphites	No

CERTIFICATION STATUS

Lysoch® L4 is KOSHER and HALAL certified.

GMO STATUS

Lysoch® L4 is not genetically modified.

REGULATIONS

The regulations governing the use of Lysoch® L4 vary considerably in the countries in which it is currently approved. Advice regarding the legal status of this product is available on request.

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The information contained in this file is based on our own testing analysis and is, to the best of our knowledge, reliable. Users should, however, conduct their own test to determine the suitability of our products for their own specific purposes.



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