

## LYSOCH<sup>®</sup> G4

### PRODUCT DESCRIPTION SHEET

Code	File name	Analyst	Date
0402	PDS_0402_LYSOCH <sup>®</sup> G4	Dr. YANG	04/04/2019

#### DESCRIPTION

Lysoch<sup>®</sup> G4 Lysozyme is an antimicrobial enzyme produced by food cultures, and is mainly used to lyse both Gram-positive and Gram-negative bacteria in processed foods.

<i>Salmonella</i> (/25g)	Absent
<i>Staphylococcus aureus</i> (/1g)	Absent
<i>E. coli</i> (MPN/100g)	Absent

#### KEY BENEFITS

- Lysis of Gram-positive & Gram-negative bacteria;
- Inactive against yeast and mould;
- Shelf life extension;
- Natural, consumer-friendly label.

#### PHYSICAL / CHEMICAL SPECIFICATIONS

Appearance	White powder
Solubility at 640nm of a 2% aqueous solution	≥95%
pH of 2% aqueous solution at 20-25°C	2.0-4.0

\*Appearance variations may occur from batch to batch.

#### APPLICATIONS

Food	Targeted bacteria	Dosage (w/w)
Cheese	Lysis of <i>Clostridium tyrobutyricum</i>	2-4 mg/kg
Wine	Lysis of lactic acid bacteria and control of malolactic fermentation (MLF)	10-20mg/L

#### NUTRITIONAL DATA

Approximate values for Nutrition labelling per 100g.

Contribution to energy level is insignificant at recommended usage levels.

Energy	107 calories
Protein	99.4 g
Carbohydrate	2.2 g
-Sugar	<1.5 g
Fat	<0.1 g
-Saturated fat	<0.1 g
-Trans. fat	<0.1 g
Total dietary fiber	1.1 g
Vitamin A	<10 µg
Vitamin C	3.1 mg

#### DIRECTION FOR USE

In general, dissolve Lysoch<sup>®</sup> G4 into cold boiled water or distilled water, then add directly into foods.

#### ACTIVITIES

Activity in FIP Units/g protein*	≥ 5 x 10 <sup>6</sup> iu/mg
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#### COMPOSITION

Lysozyme (on the anhydrous basis, w/w)	≥95%
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\*The exact percentage variations may occur from batch to batch.

#### PACKAGING

Lysoch<sup>®</sup> G4 is available in 500 gr/bottle with integral, tamper-proof seals. Packaging is available in other quantities.

Plastic bottle and pouch materials comply with Regulation (EU) No 10/2011.

#### HEAVY METALS

Lead (mg/kg)	≤1
Arsenic (mg/kg)	≤1
Mercury (mg/kg)	≤1

#### STORAGE CONDITIONS

Conditions:  
24 months, store unopened below 20°C in dry conditions, away from direct sunlight and odorous products. When opened, store at approx. 20°C in original container.

#### MICROBIOLOGICAL SPECIFICATIONS

Total viable count (cfu/g)	≤10
Enterobacteriaceae (cfu/g)	≤10

Shelf life:

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Registration No. BE 0817 450 771



## LYSOCH<sup>®</sup> G4

### PRODUCT DESCRIPTION SHEET

Code 0402	File name PDS_0402_LYSOCH <sup>®</sup> G4	Analyst Dr. YANG	Date 04/04/2019
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Shelf life is 24 months when stored according to recommendations.

The regulations governing the use of Lysoch<sup>®</sup> G4 vary considerably in the countries in which it is currently approved. Advice regarding the legal status of this product is available on request.

#### COUNTRY OF ORIGIN

Belgium

#### 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 derivative	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

#### GMO STATUS

Genetically modified organisms /200mg (PCR method).

35S:	Negative
NOS:	Negative
bar:	Negative
FMV:	Negative

#### CERTIFIED STATUS

The product is certified by KOSHER, HALAL and ISO22000:2005.

#### REGULATIONS

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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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