

PRODUCT DESCRIPTION - PD 201722-18.3EN

Material no. 104417

NATAMAX®

Natural Antimicrobial, Food protectant; 100 gr

Description

NATAMAX® is a natural antimycotic based on natamycin produced by fermentation using a strain of 'Streptomyces natalensis' and blended with lactose.

Application areas

Surface treatment of cheese, including coatings and suspensions and spraying onto shredded cheese; surface treatment of processed meat and fish products; direct addition to yoghurt, sour cream, cream cheese and cottage cheese; direct addition to fruit juices and fruit pulp; canned foods; quick frozen lobster, fish pastes, fish roe and spawn.

Potential benefits

- Effectively kills or inhibits yeasts and moulds
- Extended shelf life
- Reduced risk of fungal mycotoxin production
- Meets consumers' demand for natural products
- More effective than chemical preservatives at much lower dosages
- A minimum of change or deterioration of taste, odour, colour, texture and nutritional value
- No adverse effect on bacteria and starter culture in fermented products

Usage levels

The recommended dosage of NATAMAX® is in the range 5-50 ppm (5-50 g per metric ton). Exact dosage cannot be stated as it depends on the nature of the product for which it is intended.

Directions for use

The method of applying NATAMAX® depends on the application for which it is used. Please contact us for specific information.

Composition

NATAMAX® is composed of:

Natamycin (E235)	min. 50 %
Lactose	max. 50 %

All percentages are by weight.

Physical/chemical specifications

Form at 25°C	powder
Colour	off-white to cream
Odour	mild organic
pH (1% w/v suspension in demineralised water)	5.0-7.0
Water	approx. 7 %

Colour variations may occur from batch to batch. Red particulates of natamycin may appear sporadically from batch to batch. pH range is established based on comparison study between FCC, FAO/WHO and EU reference methods.

Microbiological specifications

Total plate count	max. 100 CFU/g
Coliforms	absent in 1 g
Salmonella	absent in 25 g

Heavy metal specifications

Arsenic (As)	max. 1 ppm
Mercury (Hg)	max. 1 ppm
Lead (Pb)	max. 2 ppm
Heavy metals (as Pb)	max. 10 ppm

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Nutritional data

Approximate values for Nutrition labelling per 100g.

Contribution to energy level is insignificant at recommended usage levels.

Calories	156 kcal
Total Fat	0 g
- Saturated fat	0 g
- Trans fat	0 g
Cholesterol	< 0.6 mg
Sodium	28.9 mg
Total carbohydrate content	39 g
- Dietary Fiber	0* g
- Total Sugars	39 g
- Added Sugar	0 g
Protein	0 g
Vitamin D	0* mcg
Calcium	< 2.6 mg
Iron	< 0.3 mg
Potassium	< 5.9 mg
Ash	< 0.3 g
Moisture	4.9 g

* Not a significant source

Storage

Conditions:

Store unopened below 25°C in dry conditions, away from direct sunlight and odorous products.

When opened, store below 25°C in original container.

Shelf life:

Shelf life is 24 months when stored according to recommendations.

Packaging

NATAMAX® is available in 100 g polyethylene bottles with integral, tamper-proof seals.

Product is available in other quantities.

Purity and legal status

The natamycin in NATAMAX® is food grade and meets FAO/WHO, EU specifications and is GRAS under 21 CFR 170.30 and permitted for use under 21 CFR 172.155.

The regulations governing the use of natamycin vary considerably in the countries in which it is currently approved.

Local food and/or feed regulations should always be consulted concerning the status of this product, as legislation regarding its use in food or feed may vary from country to country. Advice regarding the legal status of this product is available on request.

Safety and handling

A Material Safety Data Sheet (MSDS) is available on request.

Country of origin

Denmark

Kosher status

This product is certified by the Orthodox Union as kosher dairy.

Halal status

This product is certified as Halal
Halal certificate available on request.

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GMO status

According to regulations EC nos. 1829/2003 and 1830/2003:

NATAMAX® does not consist of, nor contains, nor is produced from genetically modified organisms. Microorganisms used for the production of this product are not genetically modified.

Questionnaire has been used as documentation.

Allergens

Below table indicates the presence (as added components) of the following allergens and products thereof:

Yes	No	Allergens	Description of components
	X	Wheat	
	X	Other cereals containing gluten	
	X	Crustaceans	
	X	Eggs	
	X	Fish	
	X	Peanuts	
	X	Soybeans	
X		Milk (including lactose)	Lactose
	X	Nuts	
	X	Celery	
	X	Mustard	
	X	Sesame seeds	
	X	Sulphur dioxide and sulphites (>10mg/kg)	
	X	Lupin	
	X	Molluscs	

Local regulation has always to be consulted as allergen labelling requirements may vary from country to country.