

PRODUCT DESCRIPTION - PD 45002-15.2EN

Material no. 1202144

NATAMAX® SF

Natural Antimicrobial, Food protectant; 500 gr

Description

NATAMAX® SF is a natural antimycotic based on natamycin produced by fermentation using a strain of 'Streptomyces natalensis'. NATAMAX® SF is used to control spoilage by yeasts and moulds in a variety of foods.

Application areas

NATAMAX® SF is produced specifically for spraying natamycin on shredded and blocked cheese.

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® SF to shredded cheese is in the range 3-20 ppm (3-20 g per metric ton) as natamycin.

Directions for use

Danisco has developed a sophisticated application method for applying NATAMAX® SF to the surface of shredded cheese, which involves constant tumbling of the product in a specially configured spray of NATAMAX® SF. For details of the method and equipment, please contact the Technical Service Team.

Composition

NATAMAX® SF is composed of:

Natamycin (E235) min. 95 % on dry weight basis

Physical/chemical specifications

Form at 25°C powder
Color off-white to cream
Odour mild organic
pH (1% suspension) 5.0-7.5
Water approx. 8 %

Colour variations may occur from batch to batch.

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.

Calories	0 kcal
Total Fat	0 g
- Saturated fat	0 g
- Trans fat	0 g
Cholesterol	< 1 mg
Sodium	49 mg
Total carbohydrate content	0 g
- Dietary Fiber	0* g
- Total Sugars	0 g
- Added Sugar	0 g
Protein	0 g
Vitamin D	0* mcg
Calcium	< 3 mg
Iron	< 0.5 mg
Potassium	< 10 mg
Ash	< 0.1 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® SF is available in 500 g polyethylene bottles with integral, tamper-proof seals.

Product is available in other quantities.

Purity and legal status

The natamycin in NATAMAX® SF is food grade and meets FAO/WHO and EU specifications and complies with the USA Code of Federal Regulations.

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 pareve.

Halal status

This product is certified Halal by Halal Food Council of Europe.

GMO status

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

Microorganisms used for the production of this product are not genetically modified.

Questionnaire has been used as documentation.

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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)	
	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.