

## PRODUCT DESCRIPTION - PD 235443-4.0EN

Material no. 1265204

### **NovaGARD® LM 100 - 50 LBS**

Antimicrobial Blend

#### **Description**

NovaGARD® LM 100 - 50 LBS is a synergistic blend of sodium diacetate, a heat protected form of the bacteriocin 'nisin', and natural extract of rosemary, which exhibits antioxidant properties.

#### **Application areas**

NovaGARD® LM 100 - 50 LBS is produced specifically for cooked, RTE meat and poultry sausages and cured meat products. Application areas include frankfurters, bologna, ham, pastrami, and corned beef.

#### **Potential benefits**

- Heat stable nisin activity for optimum Listeria inhibition
- Replacement or partial replacement of synthetic chemical additives
- Neutral flavor impact
- Reduction of oxidative off-flavors to improve taste and appeal
- Cost-effective dry system for easy handling with other dry ingredients
- An effective post-lethality hurdle against Listeria in ready-to-eat, cured meats

#### **Usage levels**

The usage level for NovaGARD® LM 100 - 50 LBS is used at a rate not to exceed 0.25% in cooked meat and poultry sausages and cured meat products. The usage level for NovaGARD® LM 100 - 50 LBS is used at a rate not to exceed 0.23% in cooked meat and poultry sausages and cured meat products for Australia and New Zealand.

#### **Directions for use**

In frankfurters, NovaGARD® LM 100 - 50 LBS should be added directly to the meat formulation prior to the final chopping and mixing. In ham, the blend should be added directly with the meat formulation to the vacuum tumbler.

- NovaGARD® LM 100 - 50 LBS can be added with other dry ingredients prior to addition of heat in order to improve dispersion.

#### **Composition**

Sodium diacetate  
Encapsulated nisin preparation (triglycerides, sodium chloride, nisin prep)  
Rosemary extract  
Sodium chloride

#### **Physical/chemical specifications**

Form at 25°C / 77°F	powder
pH of 1% solution	4.74
Color	light green

#### **Microbiological specifications**

Standard Plate Count	< 5000 / g
Yeast	< 50 / g
Mold	< 50 / g
Coliforms	< 1 / g
E.coli	Absent in 1 g
Staphylococcus (coagulase +)	Absent in 0.1 g
Salmonella	Absent in 375 g
Listeria	Absent in 25 g

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#### **Heavy metal specifications**

Arsenic (As)	max. 3 mg/kg
Mercury (Hg)	max. 1 mg/kg
Lead (Pb)	max. 2 mg/kg
Cadmium (Cd)	max. 1 mg/kg
Heavy metals (as Pb)	max. 10 mg/kg

#### **Nutritional data**

ANALYSIS	TYPICAL VALUES /100 g
Calories	229.6 kcal
- Calories from fat	84.2 kcal
Total fat	9.38 g
- Saturated fat	8.85 g
- Trans fat	<0.1 g
Cholesterol	<1.0 g
Sodium	14.6 g
Potassium	41 mg
Carbohydrates	35.6 g
- Fiber	1.63 g
- Sugar	6.04 g
- Added Sugar	0 g
Protein	0.69 g
Vitamin D	<0.55 mcg
Calcium	180 mg
Iron	0.6 mg
Moisture	21.59 g
Ash	32.74 g

#### **Storage**

##### **Storage:**

Store unopened at approx. 20°C / 68°F.

When opened, store at approx. 20°C / 68°F in original container.

Shelf life is 12 months when stored according to recommendations.

#### **Packaging**

50.0 lb multi-walled paper bag

#### **Purity and legal status**

The nisin in NovaGARD® LM 100 - 50 LBS is food grade and meets FAO/WHO, EU and Food Chemicals Codex specifications and complies with the USA Code of Federal Regulations.

The United States Department of Agriculture Food Safety and Inspection Service has approved NovaGARD® LM 100 - 50 LBS based on acceptability determination and will be listed in Directive 7120.1. 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**

United States of America

#### **Kosher status**

Organized Kashrus Laboratories, Kosher Pareve

#### **Halal status**

NovaGARD® LM 100 - 50 LBS is certified Halal by the Islamic Food and Nutrition Council of America (IFANCA).

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#### **GMO**

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

The raw materials and processing aids used in the production of this product do not contain or consist of GMOs, and are not produced from GMOs.

Questionnaire has been used as documentation.

#### **Allergens**

The 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 (>10 mg/kg)	
	X	lupin	
	X	molluscs	

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