

SafePro® FLORA ITALIA LC

Product Information

Version: 4 PI GLOB EN 05-03-2017

Range

The SafePro® range covers a series of specially developed cultures for application in a variety of food products. These cultures help develop a positive eco-system that will improve food safety and/or potentially extend shelf life.

Description

SafePro® FLORA ITALIA LC is a culture suitable for production of fast fermented sausages with short production time. The culture provides a fast acidification and ensures a stable color and a distinct Mediterranean flavor combined with strong antagonistic properties against *Listeria monocytogenes*

Culture composition:
Lactobacillus sakei
Pediococcus acidilactici
Staphylococcus carnosus

Application

Usage

The culture is well suited for all fermented sausages with a short production time. The final pH may be regulated by adjusting the amount of fermentable sugars added to the meat mince.

Dosage

25g for 100kg

Directions for use

Addition to sausage mince: The contents of the pouch should potentially be added together with other dry ingredients early in the process e.g. during grinding, cutting or blending to ensure a homogeneous distribution.

Physical Properties

Color:	Off-white to brownish	Form:	Powder, ground
Solubility:	Water soluble suspension		

Packaging

Material No:	Size	Type
713258	50x25 g	Pouch(es) in box

Storage and handling

Temperature:	< -17 °C / < 1 °F
Conditions:	Dry

Transport condition

Shipment at ambient temperature.

Ingredients

Sucrose, Culture, Silicon dioxide E551, Manganese sulfate

This product contains manganese sulphate. It is used as a processing aid, as defined in Regulation (EC) 1333/2008 and as such does not require declaration on food products under the regulation on Food Information to Consumers (EC Regulation 1169/2011).

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Shelf life

For freeze-dried cultures at least 18 months when stored according to recommendations.
When stored at +5°C/ 41°F the shelf life is max. 6 weeks.

Technical Data

Physiological data

Culture composition	<i>Lactobacillus sakei</i>	<i>Pediococcus acidilactici</i>	<i>Staphylococcus carnosus</i> subsp. <i>utilis</i>	<i>Staphylococcus carnosus</i>
Growth Opt/max/min	35°C/45°C/15°C (95°F/113°F /59°F)	43°C/52°C/15°C (109°F/126°F /59°F)	30°C/45°C/10°C (86°F/113°F /50°F)	30°C/45°C/10°C (86°F/113°F /50°F)
Salt limit	6% salt-in-water	10% salt-in-water	16% salt-in-water	16% salt-in-water
Characteristics	Facultative anaerobic D(-)-lactic acid producing	Facultative anaerobic DL(+/-)-lactic acid producing	Facultative anaerobic Catalase positive Nitrate reductase positive Lipolytic Proteolytic	Facultative anaerobic Catalase positive Nitrate reductase positive Lipolytic Proteolytic
Fermentable sugars				
Glucose (dextrose)	+	+	+	+
Fructose	+	+	+	+
Maltose	-	+	-	-
Lactose	-	-	+	+
Saccharose (sucrose)	+	+	-	-
Starch	-	-	-	-

Below minimum temperature for growth the strain will still be alive but it will not multiply in the application.

Analytical methods

References and analytical methods are available on request.

Legislation

Chr. Hansen's cultures comply with the general requirements on food safety laid down in Regulation 178/2002/EC. Lactic acid bacteria are generally recognized as safe and can be used in food, however, for specific applications we recommend to consult national legislation.

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The product is intended for food use.

Food Safety

No guarantee of food safety is implied or inferred should this product be used in applications other than those stated above. Should you wish to use this product in another application, please contact your Chr. Hansen representative for assistance.

Labeling

Suggested labeling "starter culture" or "culture", however as legislation may vary, please consult local legislation.

Trademarks

Product names, names of concepts, logos, brands and other trademarks referred to in this document, whether or not appearing in large print, bold or with the ® or TM symbol are the property of Chr. Hansen A/S or used under license. Trademarks appearing in this document may not be registered in your country, even if they are marked with an ®.

Dietary information

Kosher:

Kosher Meat Excl. Passover

Halal:

Certified

Technical support

Chr. Hansen's Application and Product Development Laboratories and personnel are available if you need further information.

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GMO Information

In accordance with the legislation in the European Union* SafePro® FLORA ITALIA LC does not contain GMOs and does not contain GM labeled raw materials**. In accordance with European legislation on labeling of final food products** we can inform that the use of SafePro® FLORA ITALIA LC does not trigger a GM labeling of the final food product. Chr. Hansen's position on GMO can be found on: www.chr-hansen.com/About us/Policies and positions/Quality and product safety.

* Directive 2001/18/EC of the European Parliament and of the Council of 12 March 2001 on the deliberate release into the environment of genetically modified organisms with later amendments, and repealing Council Directive 90/220/EEC.

** Regulation (EC) No 1829/2003 of the European Parliament and of the Council of 22 September 2003 on genetically modified food and feed with later amendments.

Regulation (EC) No 1830/2003 of the European Parliament and of the Council of 22 September 2003 concerning the traceability and labeling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms amending Directive 2001/18/EC, and with later amendments.

Allergen Information

List of common allergens in accordance with the US Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) and EU Regulation 1169/2011/EC with later amendments	Present as an ingredient in the product
Cereals containing gluten* and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts* and products thereof	No
List of allergens in accordance with EU Regulation 1169/2011/EC only	
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Lupine and products thereof	No
Mollusks and products thereof	No
Sulphur dioxide and sulphites (added) at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂	No

* Please consult the EU Regulation 1169/2011 Annex II for a legal definition of common allergens, see European Union law at: www.eur-lex.europa.eu