

DairyMax™ Warm Yellow 021 WSS

Product Information

Version: 8 PI EU EN 11-01-2017

Description

DairyMax™ Warm Yellow 021 WSS is a red to orange liquid containing nature identical beta-carotene produced by synthesis. The major coloring principle is beta-carotene.

Material No:	712162	Storage and handling	4 - 8 °C / 39 - 46 °F Refrigerated transport, 4-8°C. Ambient allowed 1 Nov - 31 March within Europe (excl. Spain, Portugal, South Italy, Greece and Turkey) provided max 7 days transition time.
Size	15 kg	Conditions:	Cool, Dry, Protect from light
Type	Container	Shelf Life	365 days in unopened containers at the recommended storage temperature

Usage

Dairy products and analogues.

Restrictions within subcategories to the above EU food categories may appear (Regulation 1129/2011/EU with later amendments). Legislations are not harmonized, therefore national legislation for the given food application should always be consulted.

Yellow to orange hue in the final product depending on the food product, processing and the quantity used.

Directions for use

Shake the product before use as pigment may settle during storage. Can be added directly to the food product while stirring.

Ingredients

Sugar, Water, Sodium chloride, Calcium caseinate, Sunflower oil, Beta-Carotene (E 160a(i)), Natural tocopherol (E 306), Lecithin (E 322).

Physical Properties

Color:	Reddish orange	Solubility:	Water soluble suspension
Form:	Liquid	Odor:	Whey

Specification

Color strength: Beta-carotene: 1.15 - 1.25%

pH: 6.00 - 8.00 (direct in liquid)

Relative density: 1.00 - 1.30

Microbiological quality	
Total Viable Count:	≤ 1000 cfu/g

Pathogens	
Salmonella sp.:	Absent in 25g

DairyMax™ Warm Yellow 021 WSS

Product Information

Version: 8 PI EU EN 11-01-2017

Total Yeasts and Moulds:	≤ 100 cfu/g
Total Enterobacteriaceae:	≤ 10 cfu/g
Aerobic Sporeforming Bacteria:	≤ 100 cfu/g
Sulphite reducing clostridia:	≤ 10 cfu/g

<i>Listeria monocytogenes</i> :	Absent in 25g
<i>E. coli</i> :	Absent in 1 g
<i>S. aureus</i> :	Absent in 1 g

Heavy metal residues: Tested according to monitoring plan to confirm compliance with EU Regulation 231/2012/EU with later amendments.

Vegetarian: Yes

Kosher: Kosher Dairy Excl. Passover

Halal: Certified

Legislation

The color is in full compliance with EU Food Regulation 178/2002/EC with later amendments, EU Food Additives Regulation 1333/2008/EC with later amendments and with the specifications for identity and purity given by EU Regulation 231/2012/EU with later amendments for E 160a(i).

The product is intended for use in food.

Labeling

EU: Color: Carotenes (Beta-Carotene) or Color: E 160a.

Labeling should be done in accordance with EU Regulation 1169/2011/EU with later amendments on the provision of food information to consumers. Ingredients having no technical effect in the final food product application may be regarded as carry-over (Art. 20) depending of the final application and of the applied dosage.

Nutritional Information

	Values per 100g
Energy kJ:	1.051 kJ
Energy kcal:	250 kcal
Protein:	5,4 g
Carbohydrate:	38,0 g
- Sugars:	38,0 g
Fat:	8,6 g
- Saturated fat:	1,0 g
Salt:	10,00 g

Nutritional information is provided based on EU Regulation 1169/2011/EU on food information to consumers despite the fact, that this product is exempted from nutritional declaration. The listed nutritional values are the main components calculated based on information from the raw material suppliers and should only be used as a guideline. The listed components do not necessarily add up to 100%, because the product may contain other components, which are not included in the nutritional declaration. Typically, the usage of this product will be at a low dosage in the final food application, and therefore the nutritional contribution will be minor.

DairyMax™ Warm Yellow 021 WSS

Product Information

Version: 8 PI EU EN 11-01-2017

Technical support

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

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 an affiliate thereof or used under license. Trademarks appearing in this document may not be registered in your country, even if they are marked with an ®.

GMO Information

In accordance with the legislation in the European Union* **DairyMax™ Warm Yellow 021 WSS 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 **DairyMax™ Warm Yellow 021 WSS 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

* 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)	Yes
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