

## PRODUCT DESCRIPTION - PD 206700-14.0EN

Material no. 50474

### CHOOZIT® MD 88 LYO 50 DCU

CHOOZIT® Cheese Cultures

#### Description

Freeze-dried concentrated lactic starter for the direct vat inoculation of milk and milk bases.

#### Directions for use

Store at temperature  $\leq 4^{\circ}\text{C}$  in dry atmosphere. When stored at negative temperature, keep the sachet at room temperature for 30 to 60 minutes before opening. If not, the performance of the culture is affected. Prolonged exposure at room temperature will reduce performances. Check before use that the culture is in powder form. Add directly to the manufacturing milk as soon as the agitation blades of the vat are covered with milk. Avoid foam and air introduction in the milk. Important recommendations: If the product has formed a solid mass, it should be discarded. To keep bacteriophage contamination under control, ensure plant and equipments are cleaned and disinfected with appropriate products at regular intervals to limit bacteriophage concentration level. Avoid any system that brings back part of end products to the beginning of the processing line in order to limit phage propagation. We do not accept any liability in case of undue application.

#### Composition

Lactococcus lactis subsp. lactis biovar. diacetylactis  
Carrier:  
Sucrose  
Maltodextrins

#### Properties

- CHOOZIT® MD 88 LYO 50 DCU is used for additional aroma development, flavouring with diacetyl production.
- Direct vat inoculation of milk and cream.

A phage alternative is available on request.

#### Physical/chemical specifications

White to brown colored free-flowing product without any foreign material; typical odor of fermented product; color can vary from batch to batch.

#### Microbiological specifications

Microbiological quality control - standard values

|                                  |                                 |
|----------------------------------|---------------------------------|
| Total cell count                 | $\geq 2.0\text{E}+10$ CFU / DCU |
| Non-lactic acid bacteria         | $< 500$ CFU/g                   |
| Enterobacteriaceae               | $< 10$ CFU/g                    |
| Yeasts and Moulds                | $< 10$ CFU/g                    |
| Enterococci                      | $< 100$ CFU/g                   |
| Clostridia spores                | $< 10$ CFU/g                    |
| Coagulase-positive staphylococci | $< 10$ CFU/g                    |
| Listeria monocytogenes           | neg. / 25 g                     |
| Salmonella spp.                  | neg. / 25 g                     |

Analytical methods available upon request

#### Storage

18 months from date of production at  $\leq 4^{\circ}\text{C}$

#### Packaging

Sachets made with three layers of material (polyethylene, aluminium, polyester). The following information is printed on each sachet: product name, pack size, batch n° and shelf life.

#### Quantity

Selling unit: 1 carton containing 50 sachets.

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#### Purity and legal status

CHOOZIT® MD 88 LYO 50 DCU meets the specification laid down by the EU legislation.

Local regulations should always be consulted concerning the status of this product, as legislation regarding its use in food may vary from country to country.

#### Safety and handling

SDS is available on request.

#### Kosher status

Kosher certificate available on request.

#### Halal status

Halal certificate available on request

#### Allergens

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

| Yes | No | Allergens                                  | Description of components     |
|-----|----|--|-------------------------------|
|     | X  | wheat                                      |                               |
|     | X  | other cereals containing gluten            |                               |
|     | X  | crustacean shellfish                       |                               |
|     | X  | eggs                                       |                               |
|     | X  | fish                                       |                               |
|     | X  | peanuts                                    |                               |
|     | X  | soybeans                                   |                               |
| X   |    | milk (including lactose)                   | used as fermentation nutrient |
|     | 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.

#### Additional information

The values indicated in this document correspond to results from standardized laboratory tests. They should be considered as guidelines. In practice, other values are expected depending on the type of product and technology. Due to advances in technology and continuous product improvement it may be necessary to change standard values in the future.

#### GMO status

CHOOZIT® MD 88 LYO 50 DCU does neither consist of GMO, contain GMO nor is produced from GMO according to the definitions of EU Regulation 1829/2003 and 1830/2003.