

## PRODUCT DESCRIPTION - PD 207421-9.0EN

Material no. 50357

### ARN LYO 10 D

CHOOZIT® Cheese Cultures

#### Description

Aroma developing culture for cheese.

The culture is a freeze-dried powder.

#### Usage levels

Minimum inoculation level is 1 dose for 1000 litres of milk.

The quantities of inoculation indicated should be considered as guidelines. Additional amount of cultures may be required depending on technology and product properties desired. Users of this product shall conduct their own risk assessment to determine (i) the suitability of the product based on such user's process parameters and (ii) whether the product fits for the purpose of the intended use.

IFF does not accept any liability in these respects.

#### Directions for use

Inoculation into milk before renneting.

Dilution for use in spray : it is recommended to rehydrate the whole content of the pouch in a sterile isotonic solution (0.9% NaCl) enriched or not with 0.1% tryptone and or 0.1% glucose. This solution can be stored for a maximum of 16h at 5°C +/- 1°C.

We do not accept any liability in case of undue application.

#### Composition

*Brevibacterium aurantiacum*

*Arthrobacter nicotianae*

*Geotrichum candidum*

#### Properties

- Aroma development and presentation of cheeses.
- ARN LYO 10 D produces the specific flavour of the Normandy cheese and a balanced surface flora between *Penicillium candidum* and the acid-sensitive bacteria.
- 2 types of *Brevibacterium linens* are used in ARN LYO 10 D, the orange one and the ivory one.

#### Microbiological specifications

Microbiological quality control - standard values

Cell count	1.2E+11 CFU / dose
Tolerance:	from 0.2E+11 to 2.4E+11 CFU

Aerobic contaminant	< 100 CFU/g
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Enterobacteriaceae	< 10 CFU/g
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Yeasts and Foreign	< 10 CFU/g
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Moulds

Enterococci	< 100 CFU/g
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Clostridia spores	< 10 CFU/g
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Coagulase-positive staphylococci	< 10 CFU/g
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<i>Listeria monocytogenes</i>	neg. / 25 g
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<i>Salmonella</i> spp.	neg. / 25 g
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Analytical methods available upon request

#### Storage

18 months from date of production at ≤ -18 °C

6 months from shipment date at + 4°C

#### Packaging

These freeze-dried cultures are packaged in sachets.

The following information is printed on each sachet:

Product name, dosage, batch no and shelf life at -18°C.

#### Quantity

Unit pack: box of 20 sachets

#### Purity and legal status

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

#### Safety and handling

SDS is available on request.

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**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)	
	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 reviewed and checked by the user of this product as allergen labelling requirements may vary between countries.

**Additional information**

The values indicated in this document correspond to results from standardized laboratory tests conducted by IFF. In practice, other values can be expected depending on the test type and technology used. Due to advances in testing capabilities and continuous product improvement it may be necessary to change standard values in the future.

ARN LYO 10 D is manufactured in compliance with applicable global food safety standards. The third party certificate of the manufacturing site is available upon request.

**GMO status**

ARN LYO 10 D does neither consist of GMO, contain GMO nor is produced from GMO according to the definitions of EU Regulation 1829/2003 and 1830/2003.

**Country of origin**

France