

PRODUCT DESCRIPTION - PD 207421-4.1EN

Material no. 50357

ARN LYO 10 D

CHOOZIT™ Cheese Cultures

Description

Aroma developing culture for cheese.

Usage levels

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

The quantities of inoculation indicated should be considered as guidelines. Supplement cultures may be required depending on technology, fat content and product properties desired. We do not accept any liability in case of undue application.

Directions for use

Inoculation into milk before renneting.
Dilution for use in spray just before use: rehydrate the freeze-dried powder on the enriched tryptone medium before use (sodium chloride, tryptone, glucose for 16 h at 4 °C).
We do not accept any liability in case of undue application.

Composition

Brevibacterium linens
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 and methods

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

Enterobacteria	< 10 / g [8]
Enterococci	< 10 / g [2]
Staphylococci coagulase positive	< 10 / g [12]
Anaerobic sulphite reducing spores	< 10 / g [9]
Yeasts	< 10 / g [10]
Foreign moulds	< 10 / g [10]
Aerobic mesophilic total count	< 100 / g [11]
<i>Listeria monocytogenes</i>	neg. / 25 g [13]
<i>Salmonella</i>	neg. / 25 g [14]

[8] V08-054 Feb. 1999 (reading 48 hours)
[2] Gelose bile esculine sodium azide / 48 h at 37 °C
[12] NF V08-057 Nov. 1994 part 1
[9] V08-061 Oct. 1996 (With Meat Leaver SR medium)
[10] V08-059 Nov. 1995
[11] V08-051 Feb. 1999 (PCA + 9 % milk + 0.02 % pimaricin)
[13] NF V08-055, August 1997
[14] NF V08-052, May 1997

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

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Purity and legal status

ARN LYO 10 D meets the specification laid down by the EU legislation.

Label food 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

MSDS is available on request.

Kosher status

KOSHER O-U-D

Allergens

Below table indicates the presence of the following allergens and products thereof:

Yes	No	Allergens	Description of components
	X	wheat	
	X	other cereals containing gluten	
	X	crustacean shellfish	
	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.

Additional information

ISO 9001 certified

GMO status

ARN LYO 10 D does not consist of, nor contains, nor is produced from genetically modified organisms according to the definitions of Regulation (EC) 1829/2003 and Regulation (EC) 1830/2003 of the European Parliament and of the Council of 22 September 2003.