

Technical Information



.... You cannot improve on nature

WalcoRen[®] 80PS150 Liquid Paste Semi-Piccante Rennet Traditional Sheep Rennet Paste.

General Product information

- **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante is a pure natural rennet paste which is produced exclusively from the stomachs of young sheep through an extraction process which was especially developed in Tirol.
- The balanced composition between Chymosin, Pepsin and Lipases results only on the natural processes in the stomachs.
- A fault free system of control from abattoir to delivery of the finished product guarantees precise batch traceability.

Product description

- **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante stands for natural sheep rennet paste containing approx. 80% Chymosin and 20% Pepsin (IDF 110B:1997).
- The commercial concentration is set at 1:15.000 Soxhlet / 166 IMCU/ml.
- **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante is a brownish to yellow cloudy liquid with natural cheesy odour. Small colour differences between individual batches depend on the natural raw materials employed.
- **WalcoRen** Liquid Rennet Paste Semi-Piccante is neither genetically manufactured nor does it contain genetically modified milk coagulating enzymes. Not genetically modified according to the following regulation: (EC) 258/97, (EC) 1139/98, (EC) 49/2000, (EC) 50/2000 and (EC) 2092/91 current versions.

Specification

Activity	Soxhlet	15.000	± 5%
	IDF 157A:1997	166 IMCU/ml	± 5%
Chymosin	IDF 110B:1997	80%	± 5%
Pepsin	IDF 110B:1997	20%	± 5%
Lipases		2LU/g	± 10%
Table-salt (sodium chlorite)			≥18%
Sodium-Benzoate E211			max. 0,5%

Microbiological Analysis

Total viable plate count	<120.000/ml
Yeasts/moulds	<100/ml
Coliform bacteria	<30/ml
Salmonella	negative in 25 ml
Listeria	negative in 25 ml
Staphylocococ Aureus	negative in 25 ml

- The above bacteriological analysis details are valid only for correct storage at 0-8°C and for containers with their original seals.

Application

- **SHAKE WELL BEFORE USE** – as this product tends to un-mix during storage it is necessary to shake well before each use to guarantee the ideal and unique mixture of enzymes.
- **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante is especially used for flavoured cheeses where sheep-lipase is wanted for the development of the typical ripening flavours. But also mixtures of milk or pure cow's-milk will be very suitable in combination with **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante.
- The dosage quantity is determined by the quantity of milk, the required process parameters (pH, temperature, required coagulation time) and enzyme concentration.
- **WalcoRen[®] Liquid Rennet Paste Semi-Piccante should be stirred into 10 to 20 times of the amount of chlorine free cold water and then be added to the milk. Because of its natural pureness WalcoRen[®] Liquid Rennet Paste Semi-Piccante does not need to be filtered and can therefore be directly added to the milk.**

Safety Information

- **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante is a brownish to yellow cloudy liquid with natural cheesy odour and contains only approx. ≥18% table-salt (sodium chlorite) and max. 0,5% of Sodium-Benzoate and is therefore safe to utilise.

Storage

- As with all natural enzymes, **WalcoRen[®]** Liquid Rennet Paste Semi-Piccante should be stored at a dark place at a temperature between 0°C and +8°C.



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