

Technical Information

Revision: 07-2012

WalcoRen[®] 95L300 Premium Double Strength Liquid Natural Rennet



You cannot improve on nature....

General Product information

- Enzyme extraction, as with all WalcoRen[®] natural products is done through an extraction process which was developed in Tirol. This process guarantees the highest production purity and above all, the most consistent production quality.
- **The naturally high Chymosin content of WalcoRen[®]-Premium 95L300 comes exclusively from the utilisation of first grade calf vells with extremely high Chymosin content and is not determined by an additional adjustment to the concentration process like, for example, chromatographic separation. This guarantees the full range of all containing enzymes.**
- A fault free system of control from abattoir to delivery of the finished product guarantees precise batch traceability.

Product Description

- WalcoRen[®] Premium 95L300 stands for natural calf vell rennet in liquid form containing 95% Chymosin and 5% Pepsin \pm 3% (IDF 110B:1997).
- WalcoRen[®] Premium 95L300 is in the form of a yellow clear liquid. Small colour differences between individual batches depend on the natural raw materials employed.
- WalcoRen[®] Premium 95L300 is neither genetically manufactured (like FPC) 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 and composition

Soxhlet	1:30.000	\pm 5%
IMCU IDF 157A:1997	310	\pm 5%
mg Chymosin / Litre	2.200	\pm 5%
Ratio mg Pepsin / mg Chymosin	1:6,9	\pm 5%
Chymosin IDF:110B:1997	95%	\pm 3%
Pepsin IDF:110B:1997	5%	\pm 3%

Chemical Specification

Density	1,13 – 1,16 g/ml
pH	5,50 – 5,90
Table-salt – NaCl	17% - 20%
Sodium-Benzozate E211	No Added

Microbiological Specification

- This rennet has been microbiologically analysed in accordance with the analysis regulations of the Swiss Dairy commission and it fulfils all the bacteriological demands.

Total plate count	<1000/ml
Salt tolerant bacteria	<100/ml
Aerobic spore formers	<10/ml
Anaerobic spore formers	<1/ml
Propionic acid bacteria	negative in 1 ml
Yeasts/moulds	negative in 1 ml
Coliform bacteria	negative in 1 ml
Salmonella	negative in 25 ml
Listeria	negative in 25 ml
Staphylococcus 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

- The product range WalcoRen[®] Premium 95L300 is the top quality product of the WalcoRen[®] rennet liquid product line.
- **The dosage quantity is determined by the quantity of milk, the required process parameters and the enzyme concentration - pH, temperature, required coagulation time, pasteurised milk.**
- **WalcoRen[®] Premium 95L300 should be stirred into 15 to 30 times the amount of chlorine free cold water and then be added to the milk.**

Safety Information

- WalcoRen[®] Premium 95L300 is a yellow clear liquid solution and contains approx. \geq 18% table-salt (NaCl) and max. 0,5% of Sodium-Benzozate E211 and is therefore safe to utilise.

Storage

- As with all natural enzymes, WalcoRen[®] Premium 95L300 should also be stored at a dark place at a temperature of between 0°C and +8°C.



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