



CHR HANSEN

CHY-MAX™ Plus

Product Specification Liquid Coagulant

Description:

CHY-MAX™ Plus is a pure standardized chymosin solution produced by submerged fermentation on a vegetable substrate with *Aspergillus niger* var. *awamori* which is kept under contained conditions and is not present in the final product.

Specifications:

TESTNAME	METHODS: ¹⁾	UNIT	SPECIFICATION
REMCAT average activity	ISO 11815/IDF 157 ²⁾	IMCU/ml	200
Guaranteed min. activity at best before date*	ISO 11815/IDF 157 ²⁾	IMCU/ml	190
GARNOT average active enzyme	J.O. 20/03/1981	mg/l	930
Guaranteed min. active enzyme at best before date*	J.O. 20/03/1981	mg/l	880
Enzymatic composition	IDF 110B	% chymosin	100
pH	E03		5.5-6.0
Density	E04	g/ml	1.070-1.140
Preservatives:			
Sodium chloride	E05	%(w/v)	≥ 10
Sodium benzoate (E211)	E06	%(w/v)	0.3-0.5
Microbiological quality			
Total count	E08	cfu/ml	< 100
Yeast	E10	cfu/ml	< 1
Mold	E10	cfu/ml	< 1
<i>Clostridia</i>	E13	cfu/ml	< 1
<i>Coliform</i> bacteria	E11	in 5 ml	negative
<i>Escherichia coli</i>	E27	in 25 ml	negative
<i>Salmonella</i>	E15	in 25 ml	negative
<i>Listeria</i>	E16	in 25 ml	negative
<i>Staphylococcus aureus</i>	E20	in 1 ml	negative
Conformity checked at regular intervals			to conform
Total heavy metals as lead	JECFA	mg/kg	≤ 30
Lead	JECFA	mg/kg	≤ 5
<i>Propionic acid</i> bacteria	E17	cfu/ml	< 10
Amylase	AP20/AP21		below detection

* Best before date is shown on the label

1) Methods available upon request

2) Relative to the calf rennet standard

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