



in form on the farm[®]

PROTEILIC 50

Liquid protein concentrate

**NEW
NON-GMO!**

- High protein content – over 50%
- Non-GMO product
- High palatability due to the content of glutamic acid – increases dry matter intake
- Reduces feed separation – Proteilic 50 binds smaller particles of TMR
- Contains wide spectrum of amino acids
- Lowers content of non-structural particles in rumen

Unique demineralized product arising from amino acid fermentation



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Proteilic 50 is liquid feed produced as a by-product from the production of amino acids glutamine and lysine. Glutamine and lysine are produced by fermentation of organic sugar from sugar beet molasses in the presence of ammonium salts or other ready source of nitrogen. This fermentation use special bacterial clones, which ensure that the desired amino acid are formed at a greater concentrations. Amino acids like glutamine and lysine after their crystallization are separated from the fermenter liquid. The residual liquid after separation of the main product is then a mixture of residual sugar, amino acids and the original source of nitrogen. This solution is then concentrated in an evaporator to the desired water content, respectively crude protein.

Composition:	Unit
Crude protein	50 - 52%
Minerals	4,5 - 5,0%
Water	33 - 35%
Urea	0%

Amino acid content	%
aspartic acid	1,3
threonine	3,34
serine	0,55
glutamic acid	3,13
glycine	1,01
alanine	1,00
cystine	0,28
valine	3,13
methionine	0,22
isoleucine	0,70
leucine	0,91
tyrosine	0,47
fenylalanine	0,58
histidine	0,21
lysine	2,13
arginine	0,54
proline	0,39

Package: IBC container – 1.000l / Tank

Dosage: 500 – 1.000g per head per day mixed in TMR

Storage: product is stable under normal conditions



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