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MEGAMINE-L™

RUMEN BYPASS L-LYSINE MONOHYDROCHLORIDE plus RUMEN BYPASS FAT

MEGAMINE-L™ Rumen Bypass L-Lysine Monohydrochloride plus Rumen Bypass Fat is a high energy feed ingredient designed specifically to supplement ruminants with intestinally available L-Lysine for the high-producing dairy cow. The product consists of 80% MEGALAC® Rumen Bypass Fat and 20% L-Lysine Monohydrochloride (L-Lysine HCl) contained within the calcium fatty acid salt matrix. L-Lysine has been shown to be an essential amino acid for milk production and is generally acknowledged to be a limiting amino acid in most dairy rations.

PRODUCT SPECIFICATIONS

	Guaranteed Analysis	Typical Levels*****
Crude Protein (Min)*	15.0%	16.0%
L-Lysine (Min)**	15.0%	16.0%
Crude Fat (Min)***	66.0%	68.0%
Crude Fiber (Max)****	1.0%	0.5%
Calcium (Min)	7.0%	7.5%
Calcium (Max)	9.5%	
Moisture (Max)	5.0%	2.5%

* 100% of the Crude Protein is as L-Lysine Monohydrochloride.

** AOAC Official Method 990.03 (N x 5.23).

*** AOAC Official Method 954.02 must be used for analysis of Fat in this product.

**** AOAC Official Method 978.10.

***** Typical levels are stated on a dry matter basis (DMB); Moisture not applicable.

INGREDIENTS

Calcium salts of long chain fatty acids (from vegetable origin)
L-Lysine Monohydrochloride
Ethoxyquin (as a preservative)

BULK DENSITY

32 – 35 lbs./cu.ft. (Typical)

PACKAGING

MEGAMINE-L is available in 50-pound bags and 2000-pound bulk sacks.

HANDLING

MEGAMINE-L is a dry pelleted material that mixes well with all common feed ingredients. It does not melt or freeze, no matter how hot or cold the weather. The pellets can be handled with normal conveyors and mixed using most mixing equipment. Do not grind or pulverize the pellets. Store in a cool, dry place.

INFORMATION

MEGAMINE-L™ Rumen Bypass L-Lysine Monohydrochloride plus Rumen Bypass Fat

INFORMATION

FEEDING RECOMMENDATIONS

It is recommended that MEGAMINE-L be fed beginning immediately after calving; increase the feeding rate such that 7.1% (NRC), 7.5% (CPM), or 6.74% (AMTS) of the metabolizable protein is as L-Lysine maximally (formulation program specific). Typically this will require 0.2 to 0.5 pounds per head per day. Continue feeding until 100% of the L-Lysine requirement can be met by the diet without supplemental L-Lysine. Make sure the ration is balanced for protein and other amino acids required for the additional milk produced. For best results, feed MEGAMINE-L in complete feeds, protein premixes or as a top-dress.

TYPICAL NUTRIENT ANALYSIS*

	Units	MEGAMINE-L
DM	%	97
CP	% DM	16
Soluble Protein	% DM	4.29
Soluble Protein	% CP	28.6
NPN	% DM	0
NPN	% Sol. Protein	0
NDFIP	% CP	0
ADFIP	% CP	0
A Fract rate	%/hr	10000
B1 Fract rate	%/hr	100
B2 Fract rate	%/hr	2.02
B3 Fract rate	%/hr	0
C Fract rate	%/hr	0
Lysine	% CP	100
Fat	% DM	68.24
Ash	% DM	16.76
Ca	% DM	7.26
Cl	% DM	4.14

Fatty Acids	% of fat	100
C12:0	% of Fatty acids	0.2
C14:0	% of Fatty acids	1.6
C16:0	% of Fatty acids	50.8
C16:1	% of Fatty acids	0
C18:0	% of Fatty acids	4.1
C18:1T	% of Fatty acids	0
C18:1C	% of Fatty acids	35.7
C18:2	% of Fatty acids	7
C18:3	% of Fatty acids	0.2
Other	% of Fatty acids	0.4

* Average figures based on analysis of 60 samples. Data on file.

ADDITIONAL INFORMATION

For additional information please contact your ARM & HAMMER Animal Nutrition Group representative, call (800)526-3563, or visit www.ahdairy.com.