



AJINOMOTO®

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TECHNICAL DATA SHEET

AjiLys™ - Liquid Lysine [Feed Grade 50%]

COMMERCIAL GUARENTEE:

L-Lysine Content

50% Minimum

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions made in this document are made without guarantee or representation as to result.

PHYSICAL DATA

Chemical Formula	C ₆ H ₁₄ N ₂ O ₂ (L-Lysine) + H ₂ O (Water)	
Molecular Weight ₁	146.19	
Appearance	Brown liquid, slight odor	
Dry Matter (average)	50 to 60%	
pH	10 to 11	
Specific Gravity (H ₂ O = 1)	1.12 to 1.19 kg/L (9.35 to 9.93 lbs/gallon)	
Crude Protein (%/16 g-N) ₁	59.88% (9.58% N from L-Lysine)	
Calculated Energy [‡]		
Swine, DE	3,110 (kcal/kg)	1,411 (kcal/lb)
Swine, ME	2,830 (kcal/kg)	1,284 (kcal/lb)
Swine, NE	2,200 (kcal/kg)	998 (kcal/lb)
Poultry, ME	2,640 (kcal/kg)	1,198 (kcal/lb)

DIRECTIONS FOR USE

To be used in the manufacturing of animal feeds. Add 4.0 pound of AjiLys™ - Liquid Lysine 50 per 2,000 pounds of feed to achieve a 0.1% increase in the L-Lysine content of the diet.

STABILITY

Shelf Life	Stable for 6 months at 25 to 35°C (77 to 95°F)
Pelleting Stability	Stable under commercial pelleting conditions
Temperature	Stable at 25°C (equipment should be insulated and heated)

POTENTIAL INCOMPATIBILITY WITH OTHER LIQUID INGREDINETS

There are no known incompatibility issues between AjiLys™ and either HMTBa, Liquid Methionine, Liquid Choline Chloride or fat when the liquids are simultaneously, yet independently applied to actively mixing feed.

¹ The Merck Index, 13th Edition (2001) _ L-Lysine (5656; Pg. 1010)

[‡] These values are for informational purposes only and do not constitute any commercial guarantee

For animal feed only – not for human consumption