



ADM L-LYSINE HCl

L-Lysine Monohydrochloride 98.5% Feed Grade
Archer Daniels Midland Co. Specialty Feed Ingredients Division
SpecialtyFeedIngredients@admworld.com

Description

ADM L-Lysine monohydrochloride is a high quality, granular product specifically designed for the feed industry. Produced from advanced technology, this product is composed of 100% isomerically pure L-Lysine, which translates into 100% bioavailability for swine, poultry, and other animals.

Ingredients

L-Lysine monohydrochloride

Guarantee

| | |
|-------------------------------------|-------|
| L-Lysine monohydrochloride, minimum | 98.5% |
| L-Lysine | 78.8% |
| Moisture, maximum | 1.5% |

Chemical Characteristics

| | |
|---|---|
| Formula | C ₆ H ₁₄ N ₂ O ₂ -HCl |
| Molecular Weight | 182.65 |
| Nitrogen, % | 15.34 |
| [NH ₃ ⁺ -CH ₂ -CH ₂ -CH ₂ -CH ₂ -CH-COO ⁻]Cl ⁻ | |
| | |
| NH ₃ ⁺ | |

General Characteristics (as is basis)

| | |
|-----------------------|---|
| Appearance | Tan colored granules |
| Loss on Drying | 1.5% |
| Purity, | 98.5% |
| Isomeric Purity | 100.0% |
| Solubility | 500-600 g/liter in H ₂ O at 25°C |
| Typical Bulk Density | .64-.71 g/cm ³ [40-44 lb/cu. ft.] |
| Typical Particle Size | 85% < 1.19mm [No. 16 U.S. Standard] 5% < 0.17mm [No. 80 U.S. Standard] |

| | |
|------------------|---------------------------------|
| CAS Number | 657-27-2 |
| EINECS Number | 211-519-9 |
| IFN Number | 5-19-118 |
| AAFCO Definition | 6.11 L-Lysine monohydrochloride |

Nutritional Specifications

| | |
|--------------------------|-------|
| L-Lysine Content | 78.8% |
| HCl Content | 19.7% |
| Crude Protein [N x 6.25] | 94.4% |

Metabolizable Energy

| | kcal/kg | MJ/kg | kcal/lb |
|---------|---------|-------|---------|
| Poultry | 3990 | 16.7 | 1810 |
| Swine | 4250 | 17.8 | 1932 |

Storage

Store in unopened original packaging in cool, dry area.
Shelf life is 2 years from date of manufacture.

Packaging & Product Code

| | |
|---------------|----------|
| 25 kg bags | (035150) |
| 1000 kg totes | |
| Bulk trucks | |

Manufactured by

Archer Daniels Midland Company
ADM Specialty Feed Ingredients Division
4666 Faries Parkway
Decatur, Illinois 62526 USA
Phone: 217-451-8177

Effective: November 2006



For customers around the world, ADM draws on its resources—its people, products, and market perspective—to help them meet today's consumer demands and envision tomorrow's needs.
RESOURCEFUL BY NATURE™

| | | |
|--|--------------|--|
| www.admworld.com | 800-245-9746 | specialtyfeedingredients@admworld.com |
|--|--------------|--|

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company ingredients.