

# L-Lysine HCl

## L-Lysine monohydrochloride 99% Feed Grade

SEWON L-Lysine HCl is produced with advanced, sustainable fermentation technology.



### Product Description

L-Lysine is an essential amino acid for animal growth. It cannot be synthesized in sufficient quantities in the body; therefore, it must be acquired from external sources.

**SEWON L-Lysine HCl** is a type of nutritional supplement made from natural raw materials, including raw sugar and cane molasses. It is widely used in the feed industry.



### Commercial Guarantee

L-Lysine HCl purity	Min. 99.0%
L-Lysine content	Min. 79.0%
Moisture	Less than 1.0%

We hereby certify that the L-Lysine HCl referenced in this document was analyzed and approved by the Department of Quality Management.



### Quality Assurance

- End-to-end quality control management throughout the fermentation process.
- FAMI-QS certificates
- HALAL, KOSHER for food grade
- ISO 9001, ISO 14001



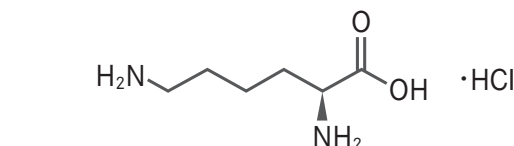
### Packaging & Delivery

- **25kg:** three-ply paper bag with one-ply PE inner
- **800kg:** big bag

Our professional export agents ship product anywhere in the world, including Europe, the Middle East, Asia, and America. Please call us for the answers to any shipping questions you may have.

DAESANG CORPORATION  
26, Cheonhodaero, Dongdaemun-gu  
Seoul 130-706, South Korea  
Phone: +82 2 2657 5320  
Fax: +82 2 2657 5333  
E-mail: bio@daesang.com

DAESANG EUROPE B.V.  
PROF. J. H. Bavinklaan 3  
1183 AT Amstelveen, The Netherlands  
Phone: +31 20 640 6080  
Fax: +31 20 640 1830  
E-mail: info@daesangeurope.com



#### Chemical Properties

- Molecular formula:  $C_6H_{14}N_2O_2 \cdot HCl$
- Molecular weight: 182.7 g/mol
- pH value: 5.0 ~ 6.0



### General Specifications

Appearance	Light brown crystalline powder
Loss on drying	Less than 1.0%
Residue on ignition	Less than 0.3%
Heavy metals	Less than 20ppm
Arsenic	Less than 2ppm
Specific rotation	+18.0 ~ +21.5
Ammonium	Less than 0.04%



### Storage & Stability

- **Store:** In a sealed original packaging in a dry place at room temperature.
- **Shelf-life:** 36 months from the date of manufacture(DOM).



### Daesang Solution Service

Over the past several decades, the Daesang Corporation has evolved into a leading international provider of customized services in the animal nutrition field. For any inquiries about our products and services, please contact us via any of the means shown below.



**Better Ingredients,  
Better Living.**

DAESANG AMERICA INC.  
One University Plaza, Suite 603  
Hackensack, New Jersey 07601, USA  
Phone: +1 201 488 4010  
Fax: +1 201 488 4625  
E-mail: info@daesangamerica.com

# Liquid L-Lysine

## Liquid L-Lysine 50% Feed Grade

SEWON Liquid L-Lysine is produced with advanced, sustainable fermentation technology.



### Product Description

L-Lysine is an important part of a well-balanced animal nutrition program, including swine, poultry and aquatic feeds.

**SEWON Liquid L-Lysine** is a 50% pure feed grade in liquid form. This results in more efficient usage and increased accuracy in a feed manufacturing process, two traits which are essential to creating a well-balanced pellet or feed mixture.



### Commercial Guarantee

L-Lysine purity	Min. 50%
L-Lysine content	Min. 50%
L-Lysine HCl basis	62.5%
Moisture content	40 ~ 48%

We hereby certify that the Liquid L-Lysine mentioned this site was analyzed and approved by the Department of Quality Management.



### Quality Assurance

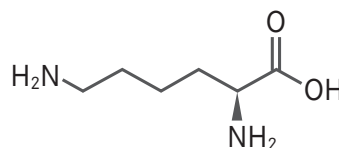
- End-to-end quality control management throughout the fermentation process.
- FAMI-QS certificates
- HALAL, KOSHER for food grade
- ISO 9001, ISO 14001



### Packaging & Delivery

- **Flexitank**, a bulk liquid container used for bulk liquid shipping

Our professional export agents ship product anywhere in the world, including Europe, the Middle East, Asia, and America. Please call us for the answers to any shipping questions you may have.



#### Chemical Properties

- Molecular formula:  $C_6H_{14}N_2O_2$
- Molecular weight: 146.2 g/mol
- pH value: 10.0 ~ 11.0



### General Specifications

Appearance	Dark brown liquid
Heavy metals	Less than 20ppm
Arsenic	Less than 2ppm
Salmonella species	Negative
Escherichia coli	Negative
Density at 20° C	1.12 ~ 1.17 g/cm <sup>3</sup>



### Storage & Stability

- **Store:** In a closed container in a dry place at room temperature.
- **Shelf-life:** 12 months from the date of manufacture(DOM).



### Daesang Solution Service

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**DAESANG CORPORATION**  
26, Cheonhodaero, Dongdaemun-gu  
Seoul 130-706, South Korea  
Phone: +82 2 2657 5320  
Fax: +82 2 2657 5333  
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PROF. J. H. Bavincklaan 3  
1183 AT Amstelveen, The Netherlands  
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Hackensack, New Jersey 07601, USA  
Phone: +1 201 488 4010  
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