

SPECIFICATION

Product Name: L- lysine HCL Feed Grade Granules
Chemical Formula: $C_6H_{14}N_2O_2 \cdot HCl$
CAS Number: 657-27-2
Molecular Weight: 182.65 g/mol
Appearance: Yellow Granular Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification
Assay	%	98.8	98.5 – 101.5
Loss on Drying	%	0.25	Max 1.0
Heavy Metals			
Lead	PPM	Not Detected	Max. 5.0
Cadmium	PPM	Not Detected	Max 1.0
Arsenic	PPM	Not Detected	Max 1.0
Mercury	PPM	Not Detected	Max 1.0
Microbiology			
Total Plate Count	cfu/gm	140	Max 1000
Yeast & Mould	cfu/gm	30	Max 100

E. Coli	cfu/10gm	Absent	Negative
Salmonella	cfu/10gm	Absent	Negative
S. Aureus	cfu/10gm	Absent	Negative

Physical Properties

- Solubility: Highly soluble in water.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep bags tightly closed after opening. Protect from moisture and humidity (product is slightly hygroscopic). Avoid direct sunlight and heat sources. Store on pallets above floor level to prevent dampness.

Applications

- Use: Essential amino acid supplement in compound feed and premixes.
- Dosage: Depends on species, age, diet composition, and existing lysine level in the feed.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1Kgs and 100grams, or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.