1. Product Information

Product Name: L-Lysine Hydrochloride
Chemical Name: L-Lysine HCl
Appearance: White crystalline powder
Description: A high-purity amino acid in hydrochloride form, widely used in food, feed, and pharmaceutical applications as a nutritional supplement and protein building block.

2. Specification

Item	Standard	Result
Appearance	White crystal or crystalline powder	White crystal or crystalline powder
Identification	Infrared absorption	Qualified
Specific Rotation	+20.4° to +21.4°	+20.8°
Loss on Drying	≤ 0.4%	0.30%
Residue on Ignition	≤ 0.1%	0.04%
Chloride	19.0 – 19.6%	19.3%
Sulfate	≤ 0.03%	< 0.02%
Iron	≤ 0.003%	0.001%
Heavy Metals (as Pb)	≤ 0.0015%	0.0005%
Chromatographic Purity	Individual impurity ≤ 0.5% Total impurities ≤ 2.0%	Meet requirement
Organic Volatile Impurities	Meet requirement	Qualified
Assay	98.5% – 101.5%	99.6%

3. Product Characteristics

High purity L-Lysine Hydrochloride (≥98.5%)
Excellent solubility in water
Stable chemical structure under normal storage conditions
Low heavy metal content and impurities
Suitable for nutritional and formulation applications

4. Applications

Food additives and nutritional fortification
Amino acid supplementation
Animal feed industry (feed-grade applications)
Pharmaceutical intermediates
Health and sports nutrition formulations

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5. Packaging & Storage

Packaging: 25 kg / bag or customized packaging
Storage: Store in a cool, dry, well-ventilated area
Shelf Life: 24 months under proper storage conditions

TECHNICAL DATA SHEET

JIANGSU KHONOR CHEMICALS CO.,LIMITED

TECHNICAL DATA SHEET

Product Name: Magnesium Glycerophosphate
CAS Number: 927-20-8
Molecular Formula: C3H7MgO6P
Molecular Weight: 210.37
EINECS No.: 240-235-1
EC Code: Not allocated

1. Product Description

Magnesium Glycerophosphate is a white to off-white crystalline powder used as a nutritional supplement, dietary ingredient, or food additive. It is a stable, bioavailable source of magnesium and phosphorus and is often used in pharmaceutical formulations, health foods, and beverages. It provides dual benefits of magnesium and phosphate, both essential for energy metabolism, bone health, and neurological function.

2. Specification

Parameter	Specification
Appearance	White or off-white powder
Bulk density	0.65g/cm³
Tapped density	0.75g/cm³
Particle size	60 - 100 mesh
Identification	Positive
Acidity	≤ 1.5mL
Glycerol & ethanol(96%)-soluble subs.	≤ %1.5
Assay (as Mg)	11.0% – 12.5%
Assay (as Glycerophosphate)	≥ 85.0%
pH (1% solution)	6.0 – 8.5
Loss on Drying	≤ 12.0%
Heavy Metals (Pb)	≤ 10 ppm
Arsenic (As)	≤ 1 ppm
Chloride	≤ 0.15%
Sulfate	≤ 0.1%
Microbiological Standards	
Total Plate Count	≤ 1000 CFU/g
Yeast & Mold	≤ 100 CFU/g
E. Coli	Negative
Salmonella	Negative