

## **L-LYSINE HCL**

- **PRODUCT NAME:** L-Lysine HCL
- **CAS :**657-27-2
- **E NUMBER :**
- **MOLWEIGHT :**182.65
- **MOLFORMULA:** **C<sub>6</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>·HCL**

### **DESCRIPTION**

Lysine is one an essential amino acid that the body cannot produce on its own. Though most lysine is obtained through proper diet, in some cases the use of the nutritional supplement (L-lysine HCl, as treatment or preventative measure can be beneficial.

Lysine is needed for proper protein and muscle growth, for repair of the body and is good for those recovering from injury or trauma. Lysine is also essential for proper calcium usage and growth in children, and plays a role in the production of carnitine, which is an amino acid that helps to convert fatty acids into energy and lower cholesterol. A deficiency of lysine can cause tiredness, nausea, loss of appetite, bloodshot eyes, dizziness and reproductive disorders

### **SPECIFICATION:**

Appearance: White or Almost White Crystal Granular or Powder, Odorless

Specific rotation +20.4~ +21.4°

Assay 98.5%~101.5%

Loss on drying ≤ 0.40%

Heavy Metals (as Pb) ≤ 0.001%

Residue on ignition ≤ 0.10%

Chloride 19.00~19.60%

Sulfate ( as SO<sub>4</sub>) ≤ 0.02%

Iron (as Fe) ≤ 0.001%

Organic volatile impurities Meet the requirement

PH: 5.0-6.0

State of Solution/Transmittance: 98% Min.

**QUALITY STANDARD :** AJI97/FCC IV/USP/EP/BP

**TYPE :** Granular 20mesh&Powder 80-100mesh

### **APPLICATION :**

L-Lysine Monohydrochloride is used in Food, Beverage, Pharmaceutical, Health & Personal care products, Agriculture/Animal Feed/Poultry. L-Lysine Monohydrochloride is

used as an enhancing agent to rice and flour, and can improve growth, adjust appetite, reducing diseases, and making the body stronger. The application of L-Lysine Monohydrochloride is used in mayonnaise, milk, instant noodles and other foods.

## **In Food Production**

L-Lysine Monohydrochloride is used as nutritional supplement, flavor enhancer in food.

## **In Beverage**

L-Lysine Monohydrochloride can be used as nutritional supplement in beverage.

## **In Pharmaceutical**

L-Lysine Monohydrochloride can be used as Nervous system drugs and Nutritional therapy in Pharmaceutical.

## **In Health and Personal care**

L-Lysine Monohydrochloride can be used in cosmetics and personal care products, such as baby products, bath products, cleansing products, eye makeup, shaving preparations and hair and skin care products. In cosmetics and personal care products, the amino acids function primarily as hair conditioning agents and skin conditioning agents – miscellaneous.

## **In Other Industries**

L-Lysine Monohydrochloride is widely used as intermediate in various other industries.

As intermediate: in manufacturing of various organic chemicals.

[Packing] : In craft paper bag in 25kg , and Drum in 25kg.

[Transportation] : Handle with care to avoid damage on packaging. Protect from sunlight and rain. The product is non-dangerous, keep it away from poisonous and harmful substances in transit.

[Storage] : Keep in cool and dry place.