

PREMIUM INGREDIENT CO.,LTD

Dongsheng Rd, Tianan Cyber park, High tech industrial development zone, Jiangyin City, Jiangsu Province, China

TDS FOR L-LYSINE BASE

Product: L-Lysine base

Molecular Formula: $C_6H_{14}N_2O_2$

Molecular Weight: 146.19

CAS No: 56-87-1

Character: Colorless needle like crystals. Melting point 224-225 °C (decomposition, blackening at 210 °C), highly soluble in water, very slightly soluble in alcohol, insoluble in ether.

Uses: Lysine is one of the essential amino acids for human and animal growth

Appearance: White or pall yellow powder

Specific rotation $[\alpha]_D^{20}$: +25.0°~+27.0°

Chloride(Cl): ≤0.10%

Ammonium(NH₄): ≤0.02%

Iron(Fe): ≤10ppm

Heavy metals(Pb): ≤10ppm

Arsenic(As₂O₃): ≤1ppm


Loss on drying: ≤5.0%

Residue on ignition: ≤0.50%

Assay: ≥98.0%

Date: July. 15, 2025

Supplier: PREMIUM INGREDIENT CO.,LTD

Signed:  Amelia Bai (Sales Manager)

