

DL-Lysine Monohydrochloride Powder

Cat. No. CEGZ-6079

Lot. No. (See product label)

Introduction

Description

DL-lysine monohydrochloride is a medicine-grade powder described with a white to slight-yellow crystalline powder appearance and not less than 98.0% assay on a dried basis.

Applications

The source lists functions related to increasing protein content, improving dairy milk yield, improving dry-matter intake, improving feed nitrogen conversion ratio, reducing urea nitrogen concentration in serum, milk, and urine, improving daily gain and carcass quality of beef, improving milk quality by increasing protein and fat content, and increasing fertility rate and reproductive performance.

Synonyms

DL-Lysine; DL-Lysine monohydrochloride

Product Information

Appearance

Almost white and slight yellow crystalline powder

Form

Crystalline powder

CAS No.

73-22-3; 70-54-2 referenced in title/other-name line

Molecular Formula

$C_6H_{14}N_2O_2 \cdot XCLH$; $C_6H_{14}N_2O_2$ in assay line

Chemical Name

DL-Lysine monohydrochloride

Purity

99.5% Assay: not less than 98.0% of $C_6H_{14}N_2O_2$ calculated on dried basis

Contaminants

Chloride: $\leq 0.015\%$ Heavy metals: ≤ 20 ppm Sulfate: $\leq 0.02\%$ Other amino acids: not detectable Loss on drying: 10.5%-12.0%

Function

Increases protein content; improves feed nitrogen conversion ratio; improves dairy and beef production metrics as listed by the source.

Grade

Medicine Grade

Usage and Packaging

Package

25 kg/drum