

Product Datasheet

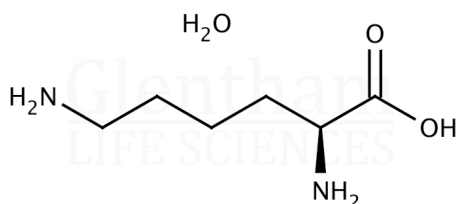
GM1100 - L-Lysine monohydrate, 99%

Product Details

Product Name	L-Lysine monohydrate, 99%
Glentham Code	GM1100
CAS Number	39665-12-8
EINECS	200-294-2
MDL Number	MFCD00151035
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD), Reagents for Cell Culture

Structure

Molecular Weight	: 164.21
Molecular Formula	: $C_6H_{14}N_2O_2 \cdot H_2O$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	: White to light yellow crystalline powder
Identification	: IR
pH (2.5% in water)	: 9.0 - 10.5 (at 25°C)
Heavy Metals	: ≤ 10ppm
Residue on Ignition	: ≤ 0.1%
Other Amino Acids	: ≤ 0.5%
Specific Optical Rotation ([α] _D ²⁰)	: +22 - +27 ° (c=8, 6M HCl)
Chloride (Cl)	: ≤ 0.03%
Sulphate (SO ₄)	: ≤ 0.02%
Ammonium (NH ₄)	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Water	: 10.0 - 11.5 %
Assay (Titration)	: 99.0 - 101.0 %
Version	: v1.0

About L-Lysine monohydrate, 99%

Lysine is an alpha-amino acid that is essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

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