

Product Datasheet

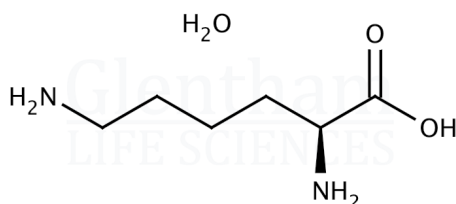
GM1100 - L-Lysine monohydrate, 99%

Product Details

Product Name	L-Lysine monohydrate, 99%
Glenthams 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	: $C_6H_{14}N_2O_2 \cdot H_2O$



Physical Description	: White to light yellow crystalline powder
Identification	: IR
pH (2.5% in water)	: 9.0 - 10.5 (at 25°C)
Heavy Metals	: $\leq 10\text{ppm}$
Residue on Ignition	: $\leq 0.1\%$
Other Amino Acids	: $\leq 0.5\%$
Specific Optical Rotation ([α] _{20/D})	: +22 - +27 ° (c=8, 6M HCl)
Chloride (Cl)	: $\leq 0.03\%$
Sulphate (SO ₄)	: $\leq 0.02\%$
Ammonium (NH ₄)	: $\leq 0.02\%$
Iron (Fe)	: $\leq 10\text{ppm}$
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.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glenthams Product Specification

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