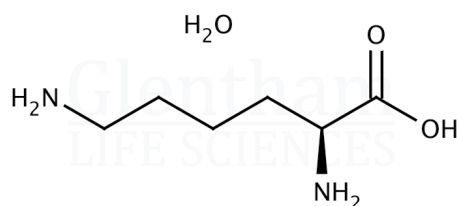


Product Specification

Product Name	L-Lysine monohydrate, 99%
Glenthams Code	GM1100
CAS Number	39665-12-8
EINECS	200-294-2
MDL-Nummer	MFCD00151035
Molecular Weight	164.21
Molecular Formula	$C_6H_{14}N_2O_2 \cdot H_2O$
Storage Temp.	+20°C



Property	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] _{20/D})	+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 %

Specification Version	-	v1.0
Date Created	-	2017-04-27

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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