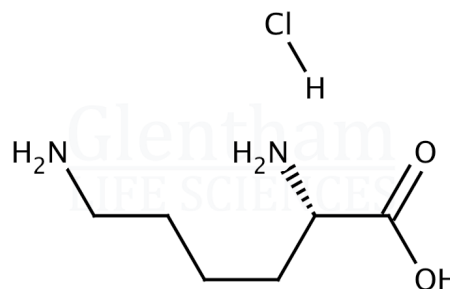


Certificate of Analysis

Product Name	L-Lysine monohydrochloride
Glentham Code	GM7532
CAS Number	657-27-2
EINECS	211-519-9
MDL-Nummer	MFCD00064564
PubChem SID	310275930
Batch Number	970CAY
Molecular Weight	182.65
Molecular Formula	$C_6H_{14}N_2O_2 \cdot HCl$
Storage Temp.	+20°C



Property	Specification	Batch 970CAY
Physical Description	White crystalline powder or colourless crystals	Entspricht
Identification	IR	Entspricht
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH (10% in water)	5.0 - 6.0	5.8
Specific Optical Rotation	+20.4 - +21.4 °	+21.0 °
Chloride (Cl)	19.0 - 19.6 %	19.3%
Sulphate	≤ 0.03%	Entspricht
Iron (Fe)	≤ 30ppm	≤ 10ppm
Heavy Metals	≤ 15ppm	Entspricht
Organic Impurities	Any Individual Impurity: ≤ 0.5%	Entspricht
	Total Impurities: ≤ 2.0%	Entspricht
Residue on Ignition	≤ 0.1%	Entspricht
Cadmium (Cd)	≤ 1ppm	Entspricht
Lead (Pb)	≤ 3ppm	Entspricht
Mercury (Hg)	≤ 0.1ppm	Entspricht
Arsenic (As)	≤ 1ppm	Entspricht
Loss on Drying	≤ 0.4%	0.2%
Assay	99.0 - 101.0 % (dried basis)	99.5%
Pharmacopoeia Specification(s)	USP	Entspricht

Specification Version	v1.1
Manufacture Date	2022-02-04
Re-Test Date	2030-06-06

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

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