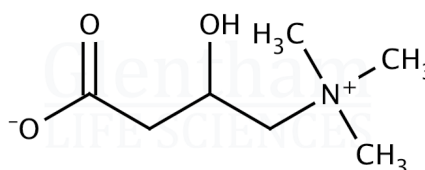


Certificate of Analysis

Product Name L-Carnitine
Glentham Code GV3498
CAS Number 541-15-1
EINECS 208-768-0
MDL-Nummer MFCD00038747
PubChem SID 310269393
Batch Number 289VMN

Molecular Weight 161.20
Molecular Formula $C_7H_{15}NO_3$
Storage Temp. +20°C



Property	Specification	Batch 289VMN
Physical Description	White crystalline powder	White crystalline powder
Identification	According to USP	Entspricht
pH (5% in water)	5.5 - 9.5	7.0
Specific Optical Rotation	-29.0 - -32.0 ° (10% in water)	-30.8°
Chloride (Cl)	≤ 0.4%	Entspricht
Potassium (K)	≤ 0.2%	Entspricht
Sodium (Na)	≤ 0.1%	Entspricht
Heavy Metals	≤ 20ppm	Entspricht
Residue on Ignition	≤ 0.5%	< 0.1%
Water	≤ 4.0%	0.3%
Assay	97.0 - 103.0 % (anhydrous basis)	100.3%
Pharmacopoeia Specification(s)	USP	Entspricht

Specification Version v1.0
Manufacture Date 2024-04-09
Re-Test Date 2032-08-29

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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