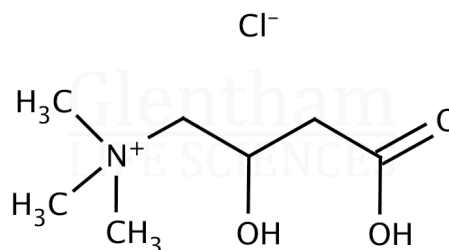


Certificate of Analysis

Product Name	DL-Carnitine hydrochloride
Glentham Code	GM8717
CAS Number	461-05-2
EINECS	207-309-1
MDL Number	MFCD00011904
PubChem SID	310269395
Batch Number	763TJJ
Molecular Weight	197.66
Molecular Formula	$C_7H_{15}NO_3 \cdot HCl$
Storage Temp.	+20°C



Property	Specification	Batch 763TJJ
Physical Description	White crystalline powder	Conforms
pH	2.3 - 2.6 (c=2, H ₂ O)	2.42
Melting Point	194 - 199 °C	196 °C
Loss on Drying	≤ 0.5%	0.25%
Residue on Ignition	≤ 0.5%	0.08%
Heavy Metals	≤ 20ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Lead (Pb)	≤ 3ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Ammonium	≤ 0.01%	Conforms
Total Plate Count	≤ 1000CFU/g	Conforms
Yeast & Mould	≤ 100CFU/g	Conforms
E. coli	Negative	Conforms
Salmonella	Negative	Conforms
Assay	≥ 98.5%	99.07%

Specification Version	v1.0
Manufacture Date	2015-02-04
Re-Test Date	2026-06-21

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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