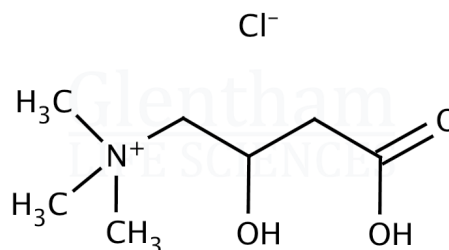


## Certificate of Analysis

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 <sub>2</sub> 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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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