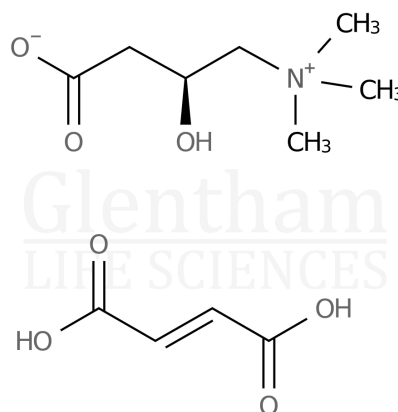


Product Specification

Product Name	L-Carnitine fumarate
Glentham Code	GX6145
CAS Number	90471-79-7
EINECS	291-749-4
MDL Number	MFCD01631178
Additional CAS	541-15-1

Molecular Weight	277.27
Molecular Formula	$C_{15}H_{25}NO_6$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Solubility (5% in water)	Clear, colourless solution
pH	3.0 - 4.0
Specific Optical Rotation	-18.5 - -16.5 °
Residue on Ignition	≤ 0.5%
Heavy Metals	≤ 10ppm
Cadmium (Cd)	≤ 1ppm
Lead (Pb)	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As)	≤ 1ppm
Water	≤ 1.0%
D-Enantiomer	≤ 1.0%
L-Carnitine Content	56.5 - 60.5 %
Assay	97.5 - 102.5 % (L-Carnitine + Fumaric acid, dried basis)

Specification Version	- v1.0
Date Created	- 2017-03-21

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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