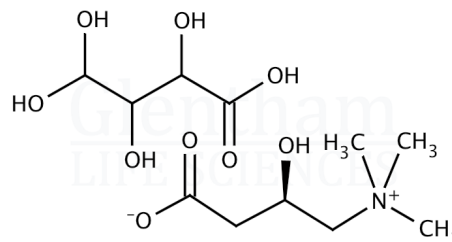


Certificate of Analysis

Product Name	L-Carnitine tartrate
Glentham Code	GM4342
CAS Number	36687-82-8
MDL Number	MFCD04974128
PubChem SID	310269398
Batch Number	368UBJ
Molecular Weight	236.24
Molecular Formula	$C_{7}H_{15}NO_3 \cdot 0.5(C_4H_6O_6)$
Storage Temp.	+20°C



Property	Specification	Batch 368UBJ
Physical Description	White or almost white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Conforms
pH	3.0 - 5.0	3.7
Residue on Ignition	≤ 0.5%	0.07%
Heavy Metals (as Pb)	≤ 10ppm	Conforms
D-Carnitine	≤ 0.1%	Not detected
Loss on Drying	≤ 1.0%	0.28%
Assay	98.0 - 102.0 % (dried substance)	99.8%

Specification Version	v1.0
Manufacture Date	2017-07-03
Re-Test Date	2028-05-10

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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