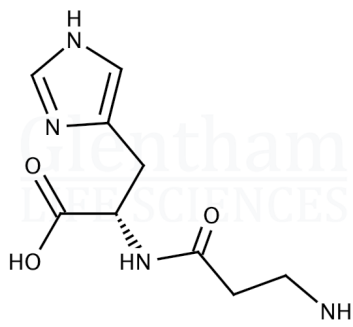


## Product Specification

Product Name	L-Carnosine
Glentham Code	GE5095
CAS Number	305-84-0
EINECS	206-169-9
MDL Number	MFCD00005207
PubChem SID	310269400
Molecular Weight	226.23
Molecular Formula	$C_9H_{14}N_4O_3$
Storage Temp.	-20°C



Property	Specification
Physical Description	White to almost white powder
Identification (IR)	To conform to standard
Solubility (2% in water)	Clear very faintly turbid, colourless to very faint yellow solution
pH (2% in water)	7.5 - 8.5
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+20.0 - +22.0 ° (c=2, water)
Melting Point	250.0 - 265.0 °C
Impurities	beta-Alanine: ≤ 0.1% L-Histidine: ≤ 1.0%
Heavy Metals	≤ 10ppm
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 1.0%
Assay	99.0 - 101.0 %

Specification Version	-	v1.1
Date Created	-	2023-11-10

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

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