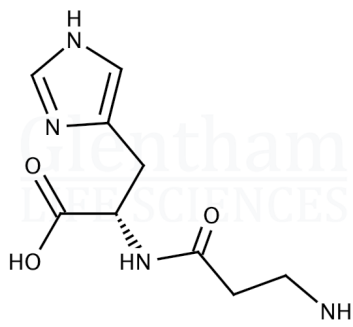


Certificate of Analysis

Product Name	L-Carnosine
Glentham Code	GE5095
CAS Number	305-84-0
EINECS	206-169-9
MDL Number	MFCD00005207
PubChem SID	310269400
Batch Number	042FGO
Molecular Weight	226.23
Molecular Formula	C ₉ H ₁₄ N ₄ O ₃
Storage Temp.	-20°C



Property	Specification	Batch 042FGO
Physical Description	White to almost white powder	White powder
Identification (IR)	To conform to standard	Conforms
Solubility (2% in water)	Clear very faintly turbid, colourless to very faint yellow solution	Conforms
pH (2% in water)	7.5 - 8.5	8.3
Specific Optical Rotation ([α] ₂₀ /D)	+20.0 - +22.0 ° (c=2, water)	+21.4°
Melting Point	250.0 - 265.0 °C	Conforms
Impurities	beta-Alanine: ≤ 0.1% L-Histidine: ≤ 1.0%	Conforms Conforms
Heavy Metals	≤ 10ppm	Conforms
Residue on Ignition	≤ 0.1%	Conforms
Loss on Drying	≤ 1.0%	≤ 0.1%
Assay	99.0 - 101.0 %	100.0%

Specification Version	v1.1
Manufacture Date	2022-06-10
Re-Test Date	2033-11-10

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 or contact us using the details above for the current version of this document.

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