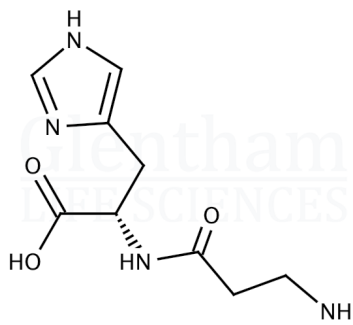


Product Specification

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

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