

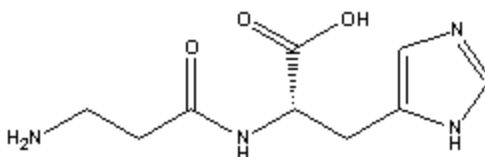


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## PRODUCT SPECIFICATIONS

### Carnosine (N-β-alanyl-L-histidine)



CAS No. [305-84-0]

$C_9H_{14}N_4O_3$

M.W. 226.24

## SPECIFICATIONS

|                   |   |   |
|-------------------|---|---|
| Description       | : | Fine powder, white or light yellow color, odorless.       |
| Identification    | : | Conforms  |
| Solubility        | : | Practically insoluble organic solvents. Soluble in water. |
| Melting point     | : | 250 ~ 265°C   |
| Heavy metals      | : | Less than 10ppm   |
| pH (2% in water)  | : | 7.9 ~ 8.5   |
| Arsenic           | : | Less than 2ppm  |
| Assay             | : | Not less than 99%<br>Calculated as anhydrous product.     |
| Specific rotation | : | Between + 18° and +25°                                    |
| Water content     | : | Not more than 1%  |
| Sulfuric ashes    | : | No more than 0.1%   |
| TLC               | : | L-Histidine free ≤ 2%<br>β-Alanine ≤ 0.1%                 |