

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Product Specifications*

**Catalogue Number** 03559  
**Product**  **$\beta$ -Ala-His-OH**

L-Carnosine

**CAS Number** 305-84-0

**Molecular Formula** C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub>

**Molecular Weight** 226.24

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**Appearance** White to off-white powder

**Melting Point** 250-265 °C

**Heavy Metals** ≤ 10 ppm

**Trace Metal Analysis** Lead: ≤ 3 ppm  
Cadmium: ≤ 1 ppm  
Mercury: ≤ 0.1 ppm

**Arsenic (As<sub>2</sub>O<sub>2</sub>)** ≤ 1 ppm

**pH** 7.5-8.5 (2% in water)

**Yeast and Mold** ≤ 100 cfu/g

**Optical Rotation** [α]<sub>D</sub> = +21 ± 2 °

**Infrared Spectrum** Conforms to structure

**Loss on Drying** ≤ 1%

**Residual Solvents** According to EP

**E. Coli** Negative

**Salmonella** Negative

**Particle Size** 100% through 100 mesh

**Residue On Ignition** ≤ 0.1%

**Assay** ≥ 99%

**Storage** Store at 0-8°C

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**For Laboratory Use Only**