

Technical Date Sheet for L-Carnosine

Version: RDL_V1.0

Identification of the manufacturer

Company: Shenzhen Readline Biotech Co., Ltd.

Full address: 3rd Floor, Building 2,, Bio-incubator Base, No. 10 Gaoxin C.1st Ave., Hi-tech Industrial Park, Shenzhen, Guangdong, China

E-mail: sales@szreadline.com

Postcode: 518000

Phone number: 0755-2665 9310

Web: www.szreadline.com

Product identification

Product name: L-Carnosine

Purity(HPLC): $\geq 98.0\%$

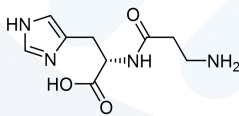
Assay: 99.0-101.0%

CAS: 305-84-0

Molecular formula: C₉H₁₄N₄O₃

Molecular weight: 226.23

Molecular structure:



Physical and chemical properties

Appearance: white to off-white crystalline powder

Optical rotation: $+20.0^{\circ} \sim +22.0^{\circ}$

pH: 7.5–8.5

Inorganic analysis

Arsenic: ≤ 1.0 ppm

Cadmium: ≤ 1.0 ppm

Lead: ≤ 1.0 ppm

Mercury: ≤ 0.1 ppm

Microbiological analysis

TAMC: ≤ 100 CFU/g

Mold & yeast: ≤ 100 CFU/g

Thermotolerant coliform: N.D

Pseudomonas aeruginosa: N.D

Staphylococcus aureus: N.D

Salmonella: N.D

Production technology

Production method: Enzymic method

Brief description of process: Raw materials— reaction — purification — portioning — drying

Loss on drying: $\leq 1.0\%$

L-His: $\leq 0.3\%$

Application area

Main application: Dietary supplements, feed additives

Adive for application:

Dietary supplements: capsules (500 mg / capsule)

Feed additives: 100~500 mg/kg

Incompatibility: Strong oxidizing agents, complexing agents

Packaging and storage

Packaging: 1 kg/bag, 25 kg/bucket

Storage:

Store in an airtight container in a clean, light-proof and cool place

Long-term storage at 4 °C

Shelf life:24 months

Add.: Floor 3, Building 2, Shenzhen Biology Incubator, No.10, Gaoxin C.1st Ave., Nanshan District, Shenzhen, Guangdong, China

地址：中国广东省深圳市南山区高新中一道 10 号深圳生物孵化基地 2 号楼 3 层

Tel: (+86)755-2665 9310

Web: www.szreadline.com

