

# Technical Data Sheet for L-Ergothioneine

Version: RDL\_V2.0

## Identification of the manufacturer

**Company:** Shenzhen Readline Biotech Co., Ltd.

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## Product identification

**Product name:** L-Ergothioneine

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

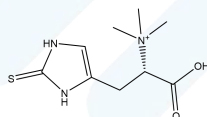
**CAS:** 497-30-3

**Molecular formula:**  $C_9H_{15}N_3O_2S$

**Molecular weight:** 229.3

**EINECS:** 207-843-5

**Molecular structure:**



## Physical and chemical properties

**Appearance:** White to light yellow powder

**Solubility:** Soluble in water, insoluble in acetone

**Melting point:** 275~277 °C

## Inorganic analysis

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**Arsenic:**  $\leq 1.0$  ppm

**Cadmium:**  $\leq 1.0$  ppm

**Lead:**  $\leq 1.0$  ppm

**Mercury:**  $\leq 0.5$  ppm

### Microbiological analysis

**TAMC:**  $\leq 100$  CFU/g

**Mold & yeast:**  $\leq 100$  CFU/g

**Thermotolerant coliform:** N.D

**Pseudomonas aeruginosa:** N.D

**Staphylococcus aureus:** N.D

**Salmonella:** N.D

### Production technology

**Production method:** Fermentation

**Brief description of process:** Raw materials— fermentation — purification — portioning — drying

**Water content:**  $\leq 3.0$  %

**Solvent residue:** Ethanol  $\leq 5000$  ppm

### Application area

**Main application:** Dietary supplements

**Adive for application:**

Dietary supplements: Capsules(5 mg/capsule)

**Incompatibility:** Strong oxidizing agents

### Packaging and storage

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**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

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