



## Specification

### Product Description:

Item: Acetyl-L-carnitine Hydrochloride

Other names: Acetyl-L-carnitine Hcl

CAS No.: 5080-50-2

Formula: C<sub>9</sub>H<sub>18</sub>CINO<sub>4</sub>

Molar mass: 239.74 g·mol<sup>-1</sup>

Standard: It conforms to FCC, USP standard, etc.

Appearance: white crystalline powder

### Specification

| Check Item           | Specification                                                 |
|----------------------|---------------------------------------------------------------|
| Identification       | In accordance with the IR absorption spectrum of the standard |
| Appearance           | White Crystals or White Crystalline Powder                    |
| Particle size (mesh) | Through 20mesh                                                |
| Specific rotation    | -27.0~ -29.0                                                  |
| pH                   | 2.3~2.6                                                       |
| Loss on drying       | ≤0.50%                                                        |
| Residue on ignition  | ≤0.50%                                                        |
| Assay                | 98.0%~102.0%                                                  |
| Heavy metal          | ≤10ppm                                                        |
| Lead (Pb)            | ≤3ppm                                                         |
| Cadmium (Cd)         | ≤1ppm                                                         |
| Mercury (Hg)         | ≤0.1ppm                                                       |



**ACROSS BIOTECH**  
MAKE A DIFFERENCE

|              |            |
|--------------|------------|
| Arsenic (As) | ≤1ppm      |
| TPC          | ≤1000Cfu/g |
| Yeast & Mold | ≤100Cfu/g  |
| E. Coli      | Negative   |
| Salmonella   | Negative   |

## Package

25kg/drum

## Storage and shelf life

Stored in sealed containers and be placed at dry and ventilated place.  
The shelf life is 24 months.