


# Specification

Update: Jan. 15, 2022

| Product Name  | L-carnitine base | Check Foundation | USP 40  |
|---|------------------|------------------|---|
|  |                  |                  | <p>25kg net/drum Gross weight:27.50kg</p> <p>Storage condition: under room temperature, cool and dry,<br/>avoid direct sunshine</p> <p>Country of Origin: China</p> <p>Re-testing date(shelf life): 2 years since the MFG</p> |

| Check Item          | Specification   | Method    |
|---------------------|---|-----------|
| Identification      | In accordance with the IR absorption spectrum of the standard | IR        |
| Appearance          | White Crystals or White Crystalline Powder                    | Visual    |
| Specific rotation   | -29.0~-32.0°  | USP       |
| PH                  | 5.5~9.5   | USP       |
| Water               | ≤4.0%   | USP       |
| Residue on ignition | ≤0.5%   | USP       |
| Residual solvents   | ≤0.5%   | USP       |
| Sodium              | ≤0.1%   | USP       |
| Potassium           | ≤0.2%   | USP       |
| Chloride            | ≤0.4%   | USP       |
| Cyanide             | Non detectable  | Ch.P.     |
| Heavy metal         | ≤10ppm  | USP       |
| Arsenic (As)        | ≤1ppm   | USP       |
| Lead (Pb)           | ≤3ppm   | USP       |
| Cadmium (Cd)        | ≤1ppm   | USP       |
| Mercury (Hg)        | ≤0.1ppm   | USP       |
| TPC                 | ≤1000Cfu/g  | USP       |
| Yeast & Mold        | ≤ 100Cfu/g  | USP       |
| E.Coli              | Negative  | USP       |
| Salmonella          | Negative  | USP       |
| Assay               | 98.0~102.0%   | Titration |
| bulk density        | 0.3-0.6g/ml   | Physical  |
| Tapped density      | 0.5-0.8g/ml   | Physical  |