

## HEBEI HUAYANG BIOLOGICAL TECHNOLOGY CO., LTD.

Add: NO.645 FuYang East Road, Jizhou District, Hengshui City, Hebei province, China

Phone: +86-318-8638826

Fax: +86-318-8638826

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### TECHNICAL DATA SHEET

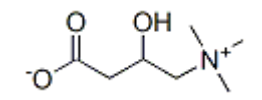
Products: L-Carnitine base

CAS# 541-15-1

Molecular formula:  $C_7H_{15}NO_3$

Molecular weight: 161.20g/mol

Structure:



#### SPECIFICATION:

Chemical test:

Identification	Meet the requirement
PH value	5.5 – 9.5
Specific rotation	-29° - -32°
Water	≤4.0%
Heavy metals	≤10 ppm
Chloride(as Cl)	≤0.4%
Sodium(as Na)	≤0.1%
Potassium(as K)	≤0.2%
Residue on ignition	≤0.5 %
Residual solvents	Meet the requirement
Assay	97.0% - 103.0%

Physical description:

White crystals or crystalline powder. H<sub>2</sub>O: 0.1 g/mL at 20 °C, clear, colorless

Shelf life: two years

Function: Food ingredients for baby foods, sportsman foods, diet foods and body building products.

#### Packing and storage:

25kg paper drums with 2 pieces polyethylene intermediate layer. It is kept in closed container and should be stored in dry, normal room temperature condition and no direct sunshine.