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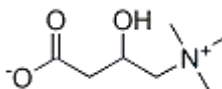
## Technical Data Sheet

### L-Carnitine

#### Product Information

Chemical Name	L-Carnitine
CAS #	541-15-1
Formula	C <sub>7</sub> H <sub>15</sub> NO <sub>3</sub>
Molecular Weight	161.2
Synonyms	(R)-3-Hydroxy-4-(trimethylammonio)butyrate

Chemical Structure



#### Physical Properties

White crystalline or transparent powder, the melting point of 200°C (decomposition). Soluble in water, alkali, methanol and ethanol, insoluble in acetone and acetate, insoluble in chloroform. Hygroscopicity.

#### Specification(EP/USP)

Items	Specification	Results
Appearance	White flowing powder	Confirms
Specific rotation	-29.00~-32.00	-30.670
PH	5.50~9.50	7.45
Water, %	≤ 0.40	0.18
Chloride, %	≤ 0.40	<0.40
Heavy metals,ppm	≤ 10.00	< 10.00
Potassium,%	≤ 0.20	<0.20

Sodium,%	≤ 0.10	<0.10
Arsenic,ppm	≤ 1.00	<1.00
Residue on ignition,%	≤ 0.50	0.10
Residue acetone	≤ 0.10	Confirmed
Assay,%	91.00~103.00	99.60

### Applications

1. Animal Nutrition Enhancer. Mainly used to strengthen the protein-based additives, can promote the absorption and utilization of fat.
2. For drugs, nutritional health products, functional beverages, feed additives;
3. Appetite enhancer;

### Packaging

25kgs per fiber drum

### Storage

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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