



Specialized in chemicals

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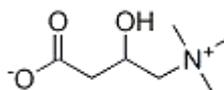
Technical Data Sheet

L-Carnitine

Product Information

Chemical Name	L-Carnitine
CAS #	541-15-1
Formula	C ₇ H ₁₅ NO ₃
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.

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