

Product Description-TDS

Product Name: L-carnitine

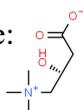
Product Information

CAS No: 541-15-1

Molecular Formula: C₇H₁₅N₃O₃

Molecular Weight: 161.2

Molecular Structure:



Other Items:



Items	Requirements
Appearance	White crystals or crystalline powder
Identification	IR
Appearance of Solution	Clear and Colourless
Specific Rotation	-29.0°~-32.0°
Assay	97.0%~103.0%
PH	5.5~9.5
Loss on Drying	≤0.5%
Residue on Ignition	≤0.1%
D-Carnitine	≤0.2%
Residue Ethanol	≤5000ppm
Heavy Metals	≤10ppm
Arsenic	≤1ppm
Chloride	≤0.4%
Potassium	≤0.2%
Sodium	≤0.1%
Cyanide	Absent

Lead	$\leq 3\text{ppm}$
Mercury	$\leq 0.1\text{ppm}$
Cadmium	$\leq 1\text{ppm}$
Total Plate Count	$\leq 1000\text{Cfu/g}$
Yeast & Mold	$\leq 100\text{Cfu/g}$
E.Coli	Negative
Salmonella	Negative

Package:

25kg/cardboard drum

Application:

1. L-carnitine is a newly approved animal nutrition fortification agent used in China. It is mainly used to strengthen protein-based additives, which can promote the absorption and utilization of fat. The amount used is 70-90mg/kg. (In terms of L-carnitine, 1g of tartaric acid salt is equivalent to 0.68g of L-carnitine).
2. L-carnitine is a newly approved food fortification agent in China. It is mainly used to fortify soy-based baby food to promote the absorption and utilization of fat. China's regulations can be used in cookies, drinks, and milk beverages, the use of 600 ~ 3000mg/kg; in solid Chemicalbook drinks, drinks and capsules, the use of 250 ~ 600mg/kg; in milk powder, the use of 300 ~ 400mg/kg; in infant formula, the use of 70 ~ 90mg/kg (in L-carnitine, 1g Tartaric acid salt is equivalent to 0.68g L-carnitine).
3. Used in drugs, nutritional health products, functional drinks, feed additives, etc.
4. Appetite enhancer.
5. It can promote fatty acid oxidation in mitochondria and achieve other biochemical functions, including acetyl buffering and maintaining sufficient concentration of co-Chemicalbook enzyme A in mitochondria under anaerobic production, stimulating tricarboxylic acid cycle, and stimulating ATP export from mitochondria under sustained muscle movement. It is used for healthy animal growth.

Storage:

Store in tightly closed containers, cool and dry. Protect from heat, oxygen and light.