

Designation of L-carnitine as a feed additive

Ministry of Agriculture, Forestry and Fisheries (MAFF) will designate L-carnitine as a feed additive and establish its standards and specifications by the ministerial ordinance.

Outline of standards and specifications is as follows.

L-carnitine

Specifications for feed additives

Active substance

Compositional specifications

Content 98.0~102.0%, calculated on the anhydrous basis

Physical and chemical properties

- (1) This active substance is white powder.
- (2) pH of aqueous solution (1→20) is 6.5~8.5.

Identification

Purity

- (1) Specific rotation $[\alpha]_D^{20} = -30.0 \sim -32.0^\circ$
- (2) Appearance When 1g of this active substance is dissolved with 10mL water, this solution must be colorless and transparent.
- (3) Chloride $\leq 0.02\%$
- (4) Sulfate $\leq 0.03\%$
- (5) Lead $\leq 1 \mu\text{g/g}$
- (6) Potassium $\leq 0.2\%$
- (7) Sodium $\leq 0.1\%$

Ignition residue $\leq 0.1\%$ (1g)

Standard for method of storage

Store the products in airtight containers.

Product

Compositional specifications

This product is powder which is a mixture of active substance and hydrated amorphous silicon oxide.

Content This product contains L-carnitine corresponding to 90~110% on the label.

Standard for method of storage

Same as standard for method of storage for active substance.