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

Ignition residue  ≤ 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.