

Product Data Sheet

β -Carotene 3% CWS/M

Description

β -Carotene 3% CWS/M is a fine, orange powder. The individual particles consist of β -carotene in triglycerides of middle chain fatty acids, finely dispersed in a matrix of modified food starch, acacia, sucrose and maltodextrin. *dl*- α -Tocopherol and sodium ascorbate are added as antioxidants, silicon dioxide as a processing aid.

Product identification

Product code: 50 0363 6

Chemical names: β , β -carotene; 1,18-(3,7,12,16-tetramethyl-1,3,5,7,9,11,13,15,17-octadecanonaen-1,18-diyl)-bis-(2,6,6-trimethylcyclohexene)

Synonyms: β -carotene

CAS No.: 7235-40-7

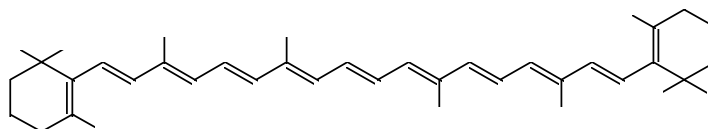
EINECS No.: 230-636-6

INCI name: carotene

E No.: E 160a

Empirical formula: C₄₀H₅₆

Molecular mass: 536.85 g/mol



Specifications

Appearance: fine, orange powder

Fineness (US standard sieves): min. 95% through sieve No. 80

Loss on drying: max. 5%

Dispersibility in water: satisfactory

Colour intensity of aqueous dispersion A (1%, 1 cm) at maximum: min. 60

Heavy metals: max. 10 ppm

Arsenic: max. 3 ppm

β -Carotene content: min. 3%

Microbiological purity: corresponds

Dispersibility

β -Carotene 3% CWS/M is dispersible in water, yielding a yellow coloration. A suitable stock solution can be prepared by adding slowly the desired quantity of powder to 10–15 times its weight of cold or warm water under continuous stirring.

Product Data Sheet**Stability and storage**

β -Carotene 3% CWS/M is sensitive to air, heat, light and humidity. The product may be stored for 24 months from the date of manufacture in the unopened original container and at a temperature below 15 °C. The 'best use before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

Uses

As a yellow colouring agent for food and pharmaceutical preparations.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

Legal notice

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