

30% Natural Beta-Carotene in MCT Oil

Chemical names of active ingredient

Algal carotenes, carotenes (algae)

EU name

E 160a (iv), algal carotenes

CAS-No. 7235-40-7

EINECS-No. 230-636-6

PRD-No.

30535547

Articles

50288096 10 kg plastic pail

Country of origin

Australia

Description

Opaque, deep red suspension of mixed carotenes in medium chain triglyceride oil.

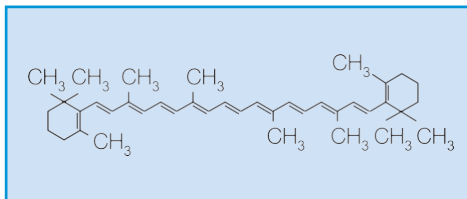
The carotenes are obtained from the alga *Dunaliella salina* and contain a mix of trans- and cis-isomers of beta-carotene as found in nature. The product is packed under inert gas.

Composition

Ingredients in descending order of weight:
Medium-chain triglycerides, algal carotenes (E 160a).

Solubility

Soluble in benzene and chloroform; partially soluble in hexane and ethanol; moderately soluble in oils and fats; insoluble in water.



(Main) active(s): beta-carotene

Molecular formula: C₄₀H₅₆

Molar mass: 536.9 g/mol

Specification

Assay (content of carotenes calculated as beta-carotene) min. 30%

For further information see separate document: "Product Specification" (not for regulatory purposes).

Monographs

The active ingredient algal carotenes used in 30% Natural Beta-Carotene in MCT Oil meets the current JECFA monograph β-carotene-rich extract from *Dunaliella salina*, INS 160a (iv)). Furthermore it complies with the current purity criteria of the European Union for algal carotenes, E 160a (iv).

Standards

The product is kosher and halal.
For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, 18. Quality Documentation).

Regulations

Algal carotenes can be used as nutritional substance (provitamin A source) or food colorant in several applications.

However, specific regulations on the ingredients used in the respective countries and for the intended use have to be considered.

Stability, Storage and Handling

Stored in the unopened original packaging at ambient temperature (max. 30 °C) in a dry place, the product is stable for at least 60 months.

Carotenes are sensitive to light, heat and oxygen and need to be stored in a light proof and airtight container.

As 30% Natural Beta-Carotene in MCT Oil is a suspension, settling of carotene crystals may occur after prolonged storage. Therefore, it is strongly recommended that the suspension in the container is warmed and mixed thoroughly before sampling or use.

Applications

Food products and beverages:

The product is intended for the use in foods and beverages to impart color to the final products.

Note

30% Natural Beta-Carotene in MCT Oil must be handled in accordance with the Safety Data Sheet.

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