30% Natural Beta-Carotene in Soybean Oil

Mixed carotenoids from the alga *Dunaliella salina*, suspension in soybean oil

Chemical name(s) of active ingredient
Algal carotenes, carotenes (algae)

Main active(s)
Beta-carotene

CAS-No.	7235-40-7
EINECS-No.	230-636-6

PRD
30531354

Articles

50297755	10 kg plastic pail

Description
Opaque, deep-red suspension of mixed carotenoids in soybean oil. The carotenoids are obtained from the alga *Dunaliella salina*. The product is packed under inert gas.

Benefits
Vegetarian/vegan[1], kosher, halal, allergen-free[2], gluten-free[3], plant-based[4], naturally-derived[5]

Composition
Ingredients in descending order of weight: soybean oil, algal carotenes

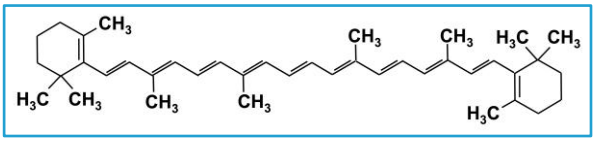
Solubility
Insoluble in water; practically insoluble in ethanol; soluble in hexane

Specification

total carotenoids (as beta-carotene)	30.0 to 31.5 % (weight)

For further information see *Product Specification* (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants:

https://nutritionvirtualassistants.basf.com



$C_{40}H_{56}$ **536.9 g/mol**

Regulations
For quality documentation and compliance please see *Quality & Regulatory Product Information* and *Product Specification*. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

Stability and storage
Beta-carotene is sensitive to light, heat and oxygen and need to be stored in a light-proof and airtight container. Stored in the unopened, original packaging at temperatures not above 30 °C, in a dry place, the product is stable for at least 60 months.

Handling
The product is a suspension, therefore settling of carotenoid crystals may occur after prolonged storage. It is strongly recommended that the suspension in the container is warmed and mixed thoroughly prior to sampling or use. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible.

Applications
For use in foods (e.g., oils, margarine, spreads, cheese preparations) and beverages. When used in beverages, emulsification is required. The product is added to the oily phase.

Carotenoids from *Dunaliella salina* can be used as provitamin A source and as colorant. Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately. This product is not intended and recommended by BASF for use in food for infants and young children and has not been qualified by BASF for use in those applications with specific requirements. BASF is not testing or manufacturing the product to meet requirements which are applicable for these applications. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

Note

The product must be handled in accordance with the *Safety Data Sheet*.

[1] Suitable for a vegetarian diet; no animal products are added, except for some products that may contain dairy ingredients (e.g. caseinate, lactose) or vitamin D3, which is produced from wool grease.
[2] No labeling requirements with regard to allergens according to regulation (EU) No 1169/2011 (as amended) and the US Food Allergen Labeling and Consumer Protection Act (FALCPA).
[3] No ingredients used containing gluten. However, products are not explicitly tested on gluten.
[4] Main / active ingredient originating from plants (including vegetables, fruits, whole grains, nuts, seeds, mushrooms and algae). May contain formulation ingredients not from plants.
[5] Main / active ingredient originating from natural materials. May contain formulation ingredients not matching “natural” definition.

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