

# 30% Natural Beta-Carotene in Sunflower Oil

Mixed carotenoids from the alga *Dunaliella salina*, suspension in sunflower 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

30543553

## Articles

50297760	10 kg plastic pail
50815416	0.1 kg aluminum drums

## Description

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

## Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free, plant-based, naturally-derived

## Composition

Ingredients in descending order of weight: sunflower oil, algal carotenes

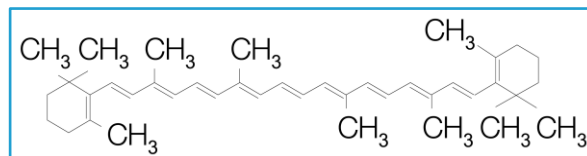
## Solubility

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

## Specification

total carotenoids (as beta-carotene)	30.0 to 31.5% (weight)
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For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



**C<sub>40</sub>H<sub>56</sub>**

**536.9 g/mol**

## Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). The active ingredient used in this product complies with the current JECFA specification "β-carotene-rich extract from *Dunaliella salina*", INS 160a (iv) and the current specification "algal carotenes", E 160a(iv) of the European Regulation (EU) No 231/2012. 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

Carotenoids are sensitive to light, heat and oxygen and need to be stored in a light-proof and airtight container. Stored in its 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 oils, margarine, spreads, cheese preparations, other foods, 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 medical nutrition or infant nutrition. 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.

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