

Lucarotin[®] B 1 CWD/Y

Microencapsulated beta-carotene from *Blakeslea trispora*, spray-dried

Chemical name(s) of active ingredient

Beta-carotene

CAS-No. 7235-40-7

EINECS-No. 230-636-6

PRD

30696909

Articles

50571891 2 x 5 kg bag in box
50571892 0.1 kg aluminum drums

Description

Red-orange, cold-water dispersible powder with a mild characteristic odor. The beta-carotene is from the fungus *Blakeslea trispora* (B = *Blakeslea trispora*).

Benefits

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

Composition

Ingredients in descending order of weight: glucose syrup, starch sodium octenyl succinate, sunflower oil, sodium ascorbate, beta-carotene from *Blakeslea trispora*, tocopherol-rich extract, tricalcium phosphate

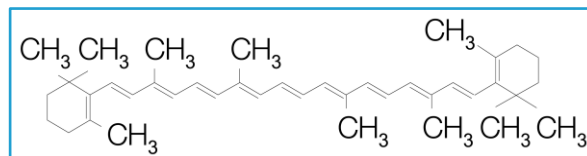
Solubility

The product can be scattered into stirred cold water to obtain a fine dispersion with clear yellow color (Y = yellow).

Specification

Beta-Carotene min. 1.0 g/100g

For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



C₄₀H₅₆

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 FCC monograph "β-Carotene from *Blakeslea trispora*", the current JECFA specification "B-Carotene from *Blakeslea trispora*", INS 160a(iii) and the current specification "Beta-Carotene from *Blakeslea trispora*", E 160a(iii) 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.

Bulk density

0.5 – 0.65 g/ml

Stability and storage

Beta-carotene is sensitive to light, heat and oxygen and needs to be stored in a light-proof and airtight container. Stored in the unopened, original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 36 months.

Handling

The powder can either be added directly during the production process or added to 20 – 100 times its weight of water first (stock dispersion). Slowly scatter the product into stirred water and use immediately. Ascorbic acid is recommended as an antioxidant and hydrocolloids are useful for stabilization of beverages where no juice is present. It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For use in hard shell capsules and for dry mixes (e.g. instant drinks), confectionary, baked goods, dairy products, other foods, and for beverages. This product provides a clear yellow color in aqueous solution. Due to its excellent dispersibility in cold water the product is easy to handle.

Beta-Carotene 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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