

Lucarotin® 10 CWD/O Plus

Microencapsulated beta-carotene, spray-dried

Chemical name(s) of active ingredient

Beta-carotene

CAS-No. 7235-40-7

EINECS-No. 230-636-6

PRD

30619543

Articles

50400864	20 kg bag in box
50487209	2 x 5 kg bag in box
50400870	0.1 kg aluminum drums

Description

Brown to red, cold water-dispersible powder with a mild characteristic odor.

Benefits

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

Composition

Ingredients in descending order of weight: starch sodium octenyl succinate, glucose syrup, beta-carotene, medium-chain triglycerides, *all-rac*-alpha-tocopherol (dl-alpha-tocopherol), tricalcium phosphate

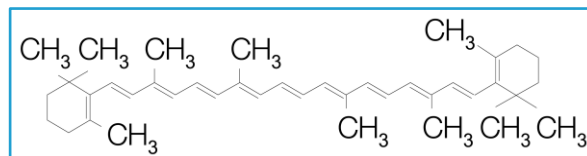
Solubility

The product can be scattered into stirred cold water, to obtain a fine dispersion (CWD = cold water dispersible) with an orange color (O = orange).

Specification

Beta-Carotene min. 10.0 g/100 g

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 acceptance criteria specified in the current individual Ph. Eur. monograph of "Betacarotene" and current individual USP monograph of "Beta Carotene". The active ingredient also complies with the current FCC monograph "β-Carotene", the current JECFA specification "β-CAROTENE, synthetic", INS 160a(i) and the current specification "beta-carotene", E 160a(i) 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

0.40 – 0.55 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. The product provides an orange 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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