

Beta-Carotene 20% CWD/R

Microencapsulated beta-carotene (beadlets)

Chemical name(s) of active ingredient

Beta-carotene

CAS-No. 7235-40-7

EINECS-No. 230-636-6

PRD

30283190

Articles

53387788 25 kg bag in box
53387841 0.05 kg plastic film bags

Description

Free-flowing, dark-red beadlet powder with a mild, characteristic odor, consisting of spherical particles with a uniform particle size. Some white starch particles may be visible.

Benefits

Vegetarian/vegan¹, kosher, halal, allergen-free², gluten-free³

Composition

Ingredients in descending order of weight: starch octenyl succinate, isomalt, beta-carotene, corn starch, sodium ascorbate, ascorbic acid, tricalcium phosphate

Solubility

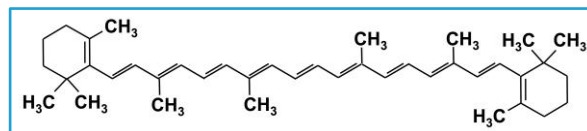
The product can be scattered into stirred cold water to obtain a fine dispersion with an orange-red color (R = red).

Specification

Beta-Carotene ≥ 20.0% (weight)

For further information see *Product Specification* (not for regulatory purposes) available in BASF's MyBASFWorld:

<https://my.basf.com/>



C₄₀H₅₆

536.9 g/mol

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information and Product Specification*. Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. 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

Approx. 0.6 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 its unopened, original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 48 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, syrups, gummies, bars and similar applications.

Beta-Carotene 20% CWD/R is used in beverages (e.g., soft drinks), dry mixes (e.g., instant drinks) as well as in foods (e.g., confectionary, baked goods, dairy products). The product is used as an orange-red color. Due to its excellent dispersibility in cold water, the product is easy to handle. The product is gelatin-free and particularly suitable for vegetarian products.

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 According to International Standard ISO 23662 on definitions and technical criteria for foods and food ingredients suitable for vegetarians or vegans and for labelling and claims.

² No labeling requirements with regard to allergens according to EU regulation (EC) 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.

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