

# Lucarotin® B 10 CWD/O Plus

## Chemical names of active ingredient

Beta-carotene, provitamin A

**CAS-No.** 7235-40-7

**EINECS-No.** 230-636-6

**PRD-No.**  
30704003\*

\* The product is kosher.

## Article

50583841 2 x 5 kg bags in box

## Country of origin

Germany

## Description

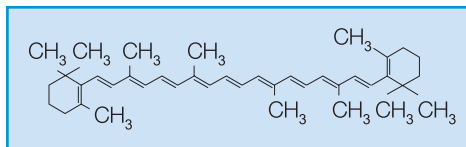
Fine, free-flowing, brown-red powder with a mild characteristic odor containing beta-carotene from *Blakeslea trispora* (B = *Blakeslea trispora*).

## Composition

Ingredients in descending order of weight: starch sodium octenyl succinate (E 1450), glucose syrup, beta-carotene from *Blakeslea trispora* (E 160a), corn oil, tocopherol-rich extract (E 306), tricalcium phosphate (E 341)

## 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).



$C_{40}H_{56}$

Molar mass 536.9 g/mol

## Specification

Assay Beta-Carotene min. 10.0 g/100 g

For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

## Monographs

The active ingredient of Lucarotin® B 10 CWD/O Plus meets the requirements of the current 'Beta-Carotene from *Blakeslea trispora*' FCC and JECFA monograph. Furthermore the active ingredient of Lucarotin® B 10 CWD/O Plus (E160a (iii)) complies with the EU Regulation laying down specifications for food additives.

## Regulations

Beta-carotene is approved for use as a food colorant and as a provitamin A source in most countries. However, specific regulations on the ingredients used in the respective countries and for the intended use have to be observed.

## Bulk density

0.40 – 0.55 g/ml

## Stability

The product is stabilized with tocopherol-rich extract (E 306). Stored in its unopened original packaging at room temperature (max. 25 °C), it is stable for at least 24 months.

## Storage/Handling

The product is sensitive to oxygen, light, heat, and moisture. It should therefore be stored in the tightly sealed, lightproof packaging in a cool place. Once opened, it is recommended to use the remaining contents as quickly as possible.

## Applications

### *Food products:*

One of the advantages of Lucarotin® B 10 CWD/O Plus is its excellent dispersibility in cold water, thereby saving time and energy otherwise required for heating the product. The powder disperses very readily at room temperature in aqueous media to form a fine dispersion of beta-carotene particles. The powder can either be added directly during the production process or added slowly to 20 – 100 times its weight of water. Stock dispersions are prepared by slowly scattering the product into stirred water in the required proportions.

They should always be prepared for immediate use only. Lucarotin® B 10 CWD/O Plus is particularly suitable for use as a colorant in fruit juices, fruit beverages, lemonades, and other products based on fruit juice concentrates, which may also contain ascorbic acid.

In addition, it can be used as a colorant in instant-drink powders, confectionery, candied fruits, biscuits, chewing gum, ice cream, custard powder, soup powders, milk shakes, fermented milk products, pasta, cheese, etc., as long as the use of beta-carotene as a colorant in any of these products is not forbidden by law.

## Note

Lucarotin® B 10 CWD/O Plus must be handled in accordance with the Safety Data Sheet.

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