

# Lucarotin® 1 CWD/Y

## Chemical names of active ingredient

Beta-carotene, provitamin A

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

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

**PRD-No.**  
30249105\*

\* The product is kosher and halal.

## Article

50219030 2 x 5 kg bag in box

52574132 20 kg bag in box

## Country of origin

Germany

## Description

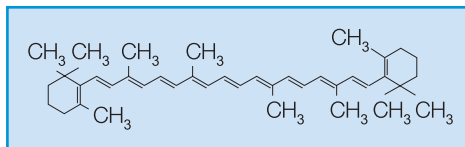
Free-flowing, low-dust, red-orange powder with a mild characteristic odor.

## Composition

Ingredients in descending order of weight: glucose syrup, starch sodium octenyl succinate (E 1450), medium-chain triglycerides, sodium ascorbate (E 301), beta-carotene (E 160a), DL-alpha-tocopherol (E 307), tricalcium phosphate (E 341)

## Solubility

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



$C_{40}H_{56}$

Molar mass 536.9 g/mol

## Specification

Assay

Beta-Carotene  $\geq 1.0$  g/100g

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® 1 CWD/Y meets the requirements of the current FCC ( $\beta$ -Carotene), Ph.Eur. (Betacarotene) and USP (Beta Carotene) monographs. The active ingredient also complies to the current JECFA monograph for  $\beta$ -CAROTENE, synthetic (INS 160a(i)) and the current specification for Beta-Carotene (E 160a(i)) of the European Regulation (EU) No 231/2012.

## 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

0.5 – 0.65 g/ml

### Stability

The product is stabilized with DL- $\alpha$ -tocopherol (E307) and sodium ascorbate (E301). Stored in its unopened original packaging at room temperature (max. 25 °C), it is stable for at least 36 months.

### Storage/Handling

The product is sensitive to atmospheric 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

#### Dietary supplements:

Lucarotin® 1 CWD/Y is excellent for use as a colorant in sugar-coated tablets, syrups, and emulsions. It can be included in instant-drink granules as provitamin A.

#### Food products:

Lucarotin® 1 CWD/Y is particularly suitable as a colorant in instant-drink powders, confectionery, candied fruit, biscuits, chewing gum, ice cream, custard powder, soup powders, pickle liquor, fermented milk products, etc., as well as fruit beverages and lemonades.

### Note

Lucarotin® 1 CWD/Y must be handled in accordance with the Safety Data Sheet.

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