

# Lucarotin® 10 CWD/O

## Chemical names of active ingredient

Beta-carotene, provitamin A

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

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

## PRD-No.

30218536\*

\* The product is kosher.

## Article

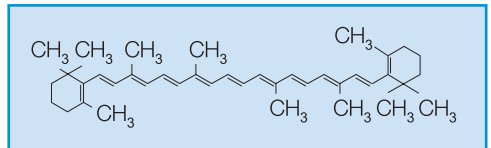
52338653 20 kg bag in box

## Country of origin

Germany

## Description

Fine, free-flowing, brown-red powder with a mild characteristic odor.



**C<sub>40</sub>H<sub>56</sub>**

**Molar mass 536.9 g/mol**

## Composition

Ingredients in descending order of weight: modified starch, glucose syrup, beta-carotene, medium-chain triglycerides, DL-alpha-tocopherol, tricalcium phosphate.

## Solubility

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

## Specification

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Assay	min. 10%
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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® CWD/O meets the requirements of the current "Beta-Carotene" Ph. Eur. monograph and "Beta-Carotene" monograph FCC 8 effective from June 1<sup>st</sup> 2012. Furthermore the active ingredient of Lucarotin® 10 CWD/O (E 160a (i)) 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 DL-alpha-tocopherol (E 307). 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 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:

The powder disperses 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 10 CWD/O 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.

The product is also suitable for the use in vitamin mixtures for the fortification of foods with provitamin A.

## Note

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

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