

Lucarotin® 10 CWD S/Y

BASF
The Chemical Company

Chemical names of active ingredient

Beta-carotene, provitamin A

CAS-No. 7235-40-7

EINECS-No. 230-636-6

PRD-No.
30041166*

* The product is kosher.

Article

50046711 2 x 5 kg bag in box

Country of origin

Germany

Description

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

Composition

Ingredients in descending order of weight: glucose syrup, soy protein, beta-carotene, DL-alpha-tocopherol, ascorbyl palmitate, tricalcium phosphate.

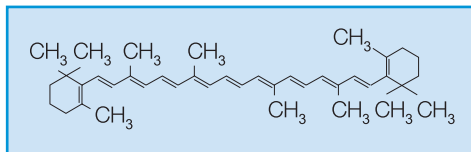
Solubility

The product can be scattered into stirred cold water (CWD = cold-water dispersible), to obtain a fine dispersion with an orange-yellow color, which is slightly more yellow than the F/O formulation.

Specification

Assay min. 10%

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



$C_{40}H_{56}$

Molar mass 536.9 g/mol

Monographs

The active ingredient of Lucarotin 10 CWD S/Y meets the requirements of the current "Beta-Carotene" Ph. Eur. monograph and "β-Carotene" monograph FCC 8 effective from June 1st 2012. Furthermore the active ingredient of Lucarotin 10 CWD S/Y (E160a (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-α-tocopherol (E307) and ascorbyl palmitate (E304). 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 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

Food products:

One of the advantages of Lucarotin 10 CWD S/Y 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 be added directly during the production process or as a 1% stock dispersion. 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 S/Y is particularly suitable as a colorant in fruit juices, fruit beverages, lemonades, and other products based on fruit juice concentrates potentially containing ascorbic acid.

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

Due to its excellent dispersibility in cold media, the product is suitable for use in vitamin mixtures for the fortification of foods with provitamin A.

Note

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

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