Lutein 5% DC

Microencapsulated lutein (beadlets)

Chemical name(s) of active ingredient

Lutein, ß-ε-carotene-3.3'-diol (3R,3'R,6'R)

CAS-No.	127-40-2
EINECS-No.	204-840-0

PRD

30267108

Articles

51843209	25 kg bag in box
51843951	0.05 kg plastic film bags

Description

Dark-orange, free-flowing beadlet with a mild characteristic odor, consisting of spherical particles with a uniform particle size. Some white starch particles may be visible.

Benefits

Allergen-free[1], gluten-free[2], plant-based[3], naturally-derived[4]

Composition

Ingedients in descending order of weight: corn starch, gelatin, sucrose, lutein, tricalcium phosphate, *all-rac*-alpha-tocopherol (DL-alpha-tocopherol), sodium ascorbate, ascorbyl palmitate

Solubility

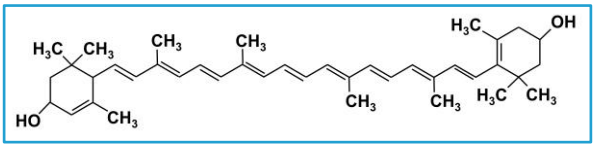
Dispersible in warm water (35-40°C) to form a stable yellow-to-orange dispersion.

Specification

Lutein	≥ 5.0%

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

https://my.basf.com/



$C_{40}H_{56}O_2$ **568.9 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

Lutein is sensitive to light, heat and oxygen and needs to be stored in a light-proof and airtight container. Stored in the unopened, original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 36 months.

Handling

It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For use in dry premixes, tablets, hard-shell capsules, syrups, gummies, bars and similar applications. The product shows excellent stability even in the presence of minerals. It has a high mechanical integrity and little or none of the lutein is expressed during tabletting, resulting in good stability of the tablets. For best tabletting results, use direct compression without wet granulation.

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] 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).
[2] No ingredients used containing gluten. However, products are not explicitly tested on gluten.
[3] Main / active ingredient originating from plants (including vegetables, fruits, whole grains, nuts, seeds, mushrooms and algae). May contain formulation ingredients not from plants.
[4] Main / active ingredient originating from natural materials. May contain formulation ingredients not matching “natural” definition.

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