

Lycovit® 10% DC

Chemical name of active ingredient

Lycopene

CAS-No. 502-65-8

EINECS-No. 207-949-1

PRD-No.
30075276

Article
50825236 25 kg bag in box

Country of origin
Denmark

Description

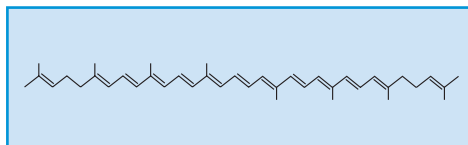
Free-flowing, dark-red powder, consisting of spherical particles with a uniform particle size. Some white starch particles may be visible.

Composition

Ingredients in descending order of weight: pork gelatine, sucrose, corn starch, lycopene (E 160d), ascorbyl palmitate (E 304), DL-alpha-tocopherol (E 307), sodium ascorbate (E 301), tricalcium phosphate (E341).

Solubility

Dispersible in warm water (35 – 40 °C), to form a stable red dispersion.



C₄₀H₅₆

Molar mass 536.9 g/mol

Specification

Assay min. 10% lycopene

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

Monographs

Lycovit® 10% DC meets the requirements of the current USP (Lycopene preparation) monograph. The active ingredient of Lycovit® 10% DC meets the requirements of the current USP (Lycopene) monograph. It also meets the purity requirements of the JECFA (Lycopene (synthetic)) monograph. Furthermore the active ingredient of Lycovit® 10% DC (E160 d (i)) complies with the purity requirements of EU regulation laying down specifications for food additives.

Regulations

Lycopene is a conditionally approved food colorant and nutritional ingredient. Therefore, national regulations in the respective countries have to be observed.

Bulk density

Approx. 0.6 g/ml

Stability

The product is stabilized with tocopherol (E 307), sodium ascorbate (E 301), and ascorbyl palmitate (E 304).

The stability of LycoVit® 10% DC is excellent even in the presence of minerals. The product has a high mechanical integrity and little or none of the lycopene is expressed during tableting, resulting in good stability in the tablets. Stored in its original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

Storage/Handling

The product is sensitive to oxygen, light, heat, and moisture, and should therefore be stored in the tightly sealed original packaging at room temperature (max. 25 °C), in a dry place, protected from daylight.

Applications

Dietary supplements:

Due to its excellent flow properties, LycoVit® 10% DC is particularly suitable for use in multivitamin/mineral tablets, single-entity lycopene tablets, as well as hard gelatin capsules.

Food products:

Due to its composition, LycoVit® 10% DC is especially suitable for use in food supplement preparations such as plain, effervescent, and sugar-coated tablets.

Note

LycoVit® 10% DC must be handled in accordance with the Safety Data Sheet.

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