

Product Data

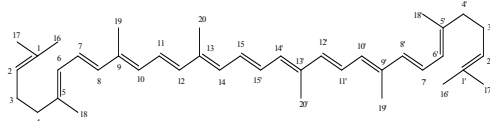
Lyconat[®] Lycopene 5% CWD

Vitatene Product Code: LY05D

Lyconat[®] Lycopene 5% CWD consists of purified natural lycopene crystals uniformly dispersed in a matrix of modified food starch to produce dark red, free-flowing particles. Natural *d*-alpha tocopherol is added as an antioxidant. Lycopene is a carotenoid well known for its nutrient role in human health and well-being.

Lyconat[®] Lycopene 5% CWD is suited for use in directly compressed tablets, 2-piece hard-shell capsules, powder beverage mixes, and liquid preparations.

Chemical Structure



$C_{40}H_{56}$ Molecular Wt: 536.85
CAS No: 502-65-8
EINECS: 207-949-1

Natural Source

Lyconat[®] Lycopene 5% CWD is made with lycopene produced naturally by careful cultivation of a naturally occurring fungus, *Blakeslea trispora*. Cultivation takes place in large-scale fermentors using food grade raw materials. The process does not involve genetic modification. Lyconat[®] Lycopene is produced in a cGMP facility. Vitatene is also ISO 9001:2000 and HACCP Certified.

Specifications

Appearance: dark red,
free-flowing particles

Lycopene content: 5%, min.
Spectrometry: max in hexane
at 472 nm

Moisture, LOD: 8%, max.

Particle Size (US-mesh):
through 20-mesh 100%
through 40-mesh 85%, min.
through 100-mesh 15%, max.

Heavy Metals:

Lead: 1 ppm, max.
Arsenic: 1 ppm, max.
Mercury: 0.5 ppm, max.
Cadmium: 0.1 ppm, max.

Microbiological Tests:

Total Plate Count 1,000 cfu/g, max.
Yeast & Mould 100 /g, max.
Coliforms 10 /g, max.
Salmonella Absent in 25 g.
E. coli Absent in 5 g.

Dispersability

The modified starch matrix of Lyconat[®] Lycopene 5% CWD allows water insoluble lycopene crystals to disperse readily and evenly in cold water. The resulting dispersion is deep red in color.

Kosher & Halal

Lyconat[®] Lycopene products are certified Kosher and Halal.



Sede Legal: Avda de Antibióticos, 59/61
24009 León (España)
Teléf.: ++34 987 895 800
Telefax: ++34 987 895 803

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Storage & Shelf-life

Shelf-life: 24 months in the original sealed container, stored dry and cool.

Lyconat[®] Lycopene 5% CWD is sensitive to oxygen, heat and light.

Storage: Best stored in a tightly closed opaque container dry and at a temperature below 15°C. After opening, use contents quickly.

Packaging: 5 kilogram foil bags.

Safe for Intended Use

Lyconat[®] Lycopene is intended for use in foods (including dietary supplements). It is Generally Recognized as Safe (GRAS) for selected applications. Vitatene notified FDA of the GRAS status (GRAS Notice 000173), and FDA replied that it had no questions about the GRAS determination.

Lyconat[®] Lycopene contains no animal-source materials.

A Material Safety Data Sheet is available upon request or with shipments.

The information presented herein is based on our current knowledge, understanding and experience. Use is at your own risk. The user is responsible for precaution and tests. No liability is assumed by Vitatene for any product made with this material. Vitatene is not responsible for claims made by others. Attention and due diligence should be applied to assure compliance with applicable laws and regulations and/or appropriate observance of third party rights.

Vitatene SA
Avenida Antibióticos 59 – 61
León 24009, Spain
Ph: + 34.987.895.800