

Product Data

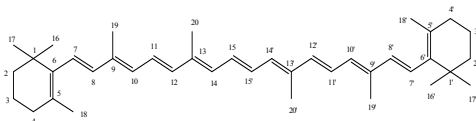
Betanat[®] 20% CWD

Vitatene Product Code: BC20D

Betanat[®] 20% CWD consists of purified natural Beta-carotene crystals uniformly dispersed in a matrix of modified food starch to produce red-brown, free-flowing particles. *dl*-Alpha tocopherol is added as an antioxidant. Beta-carotene is a carotenoid well known for its nutrient role in human health and well-being.

Betanat[®] 20% 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: 536.88

CAS No: 7235-40-7

EINECS: 230-636-6

E No.: 160a(ii) 2. Beta-carotene from *Blakeslea trispora*.

Natural Source

Betanat[®] 20% CWD is made with β -carotene 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. Betanat[®] is produced in a cGMP facility with a Hazard Analysis & Critical Control Point program (HACCP). Plant and operational quality standards meet or exceed those required for ISO 9001:2000.

PD BC20D 05 07

Replaces to PD BC20D 04 07

Specifications

Appearance:	Reddish fine or granulate powder
Beta-carotene content:	20%, min.
Spectrometry:	max in cyclohexane at about 453-6 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:	2 ppm, max.
Arsenic:	3 ppm, max.
Microbiological Tests:	
Total Plate Count	1,000 cfu/g, max.
Yeast & Mould	100 /g, max.
Coliforms	10 /g, max.
E. coli	Absent in 25 g.
Salmonella	Absent in 5 g.

Dispersability

The modified starch matrix of Betanat[®] 20% CWD allows water insoluble Beta-carotene crystals to disperse readily and evenly in cold water. The resulting dispersion is yellow to orange in color.

Kosher & Halal

Betanat[®] products are certified Kosher and Halal.



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Storage & Shelf-life

Shelf-life: 36 months in the original sealed container, stored dry and cool.

Betanat[®] 20% 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: 10 kilogram foil bags.

Safe for Intended Use

Betanat[®] may be used as a nutrient for foods and as a dietary ingredient in dietary supplements, and as a yellow-orange colouring agent for foods, dietary supplements, and pharmaceutical preparations. Beta-carotene may be used to colour foods in amounts consistent with current regulations.

Betanat[®] 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.

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