

## Product Data

# Betanat<sup>®</sup> 7.5% CWD

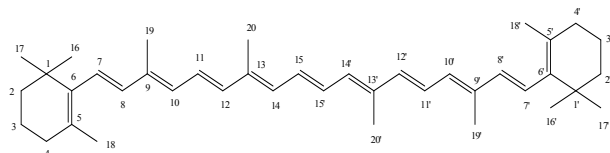
Vitatene Product code: BC75D

### Description

Betanat<sup>®</sup> 7.5% CWD consists of purified natural beta-carotene crystals uniformly dispersed in a matrix of modified food starch to produce reddish free-flowing particles. Natural *d*-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<sup>®</sup> 7.5% CWD is suited for use in liquid preparations, powder beverage mixes, 2-piece hard-shell capsules and directly compressed tablets.

### Chemical structure



C<sub>40</sub> H<sub>56</sub>

Molecular Wt: 536.88

CAS No.: 7235-40-7

EINECS: 230-636-6

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

### Dispersability

The modified starch matrix of Betanat<sup>®</sup> 7.5% CWD allows water insoluble beta-carotene crystals to disperse readily and evenly in cold water, yielding yellow to orange colorations.

### Specifications

Appearance: reddish, free-flowing particles

Betacarotene content: 7.5%, min.  
Spectrometry: max in cyclohexane at about 453 nm

Moisture, LOD: 8%, max.

Heavy Metals:

Lead: 2 ppm, max.

Arsenic: 3 ppm, max.

Microbiological Tests:

Moulds 100 cfu/g, max.

Yeasts 100 /g, max.

*E. coli* Absent in 5 g.

*Salmonella* Absent in 25 g.

### Natural Source

Betanat<sup>®</sup> 7.5% CWD/O is made with beta-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<sup>®</sup> 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.

### Kosher & Halal

Betanat<sup>®</sup> products are certified Kosher and Halal.

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### Safe for Intended Use

Betanat<sup>®</sup> products may be used as a nutrient for food, as a dietary ingredient in dietary supplements, and as a yellow-orange colouring agent for foods, dietary supplements, and pharmaceutical preparations. Betanat<sup>®</sup> products may be used to colour foods in amounts consistent with current regulations.

Betanat<sup>®</sup> products contain no animal source materials.

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

### Storage & Self-life

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

Betanat<sup>®</sup> 7.5% CWD is sensitive to oxygen, heat and light.

Storage: Best stored in the original tightly closed opaque container dry and at a temperature below 15°C.

Packaging: 5 kilogram foil bags.

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The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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