

## Product Data

# Betanat<sup>®</sup> 30% OS

### Product Identification

Beta-Carotene

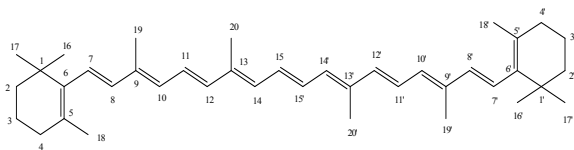
Product code: BC30OS

### Description

Betanat<sup>®</sup> 30% OS is a brownish-red to reddish-brown, viscous oil, containing micro crystals of Beta-Carotene dispersed in sunflower oil.

dl-Alpha-Tocopherol is added as an antioxidant. The suspension remains liquid at 0°C.

### Chemical structure



C<sub>40</sub> H<sub>56</sub> M<sub>536.88</sub>

CAS No.: 7235-40-7

EINECS: 230-636-6

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

Chemical names: Beta-Carotene; 1,18-(3,7,12,16-tetramethyl-1,3,5,7,9,11,13,15,17-octa-decanonaen-1,18-diyl)-bis-(2,6,6-trimethyl-cyclohexene).

### Solubility

Betanat<sup>®</sup> 30% OS is slightly soluble in oils and fats.

### Kosher & Halal

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

### Specifications

Appearance: reddish viscous oil  
 Betacarotene content: 30%, min.  
 Spectrometry: max in ciclohexane at 453 to 456 nm

Heavy Metals:

Lead: 2 ppm, max.

Microbiological Tests:

Yeasts 100 /g, max.

Moulds 100 /g, max.

*E. coli* Absent in 5 g.

*Salmonella* Absent in 25g.

### Stability and storage

Betanat<sup>®</sup> 30% OS is sensitive to air, heat and light. The product may be stored for 36 months from the date of manufacture in the unopened original container and at temperature below 20°C. Keep container tightly closed. Once opened, use contents quickly.

### Natural Source

Betanat<sup>®</sup> 30% OS is made with beta-carotene produced 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> 30% OS 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

### Uses

As a colouring agent or as a nutrient for food, nutritional and pharmaceutical preparations. Stir before use.

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### Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective Vitatene Safety Data Sheet.

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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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