Betatene® 1% CWD N Natural Mixed Carotenoids

Micorencapsulated mixed carotenoids from the alga *Dunaliella salina, spray-dried*

Chemical name(s) of active ingredient

Algal carotenes, carotenes (algae)

Main active(s)

Beta-carotene

CAS-No.	7235-40-7
EINECS-No.	230-636-6

PRD

30528283

Articles

50336934	2 x 5 kg bag in box
50351730	0.1 kg aluminium drums

Description

Orange, cold-water dispersible powder in which some white particles may be visible. The carotenoids are obtained from the alga *Dunaliella salina.*

Benefits

Vegetarian/vegan[1], kosher, halal, allergen-free[2], gluten-free[3], plant-based[4], naturally-derived[5]

Composition

Ingredients in descending order of weight: maltodextrin, gum arabic (acacia gum), sucrose, olive oil, algal carotenes, ascorbyl palmitate, citric acid, *all-rac*-alpha-tocopherol (DL-alpha-tocopherol), silicon dioxide

Solubility

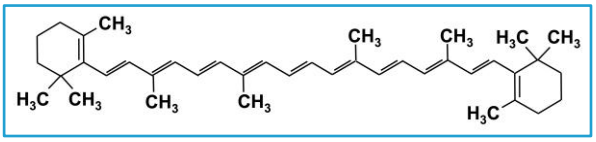
The product can be scattered into stirred cold water to obtain a fine dispersion with clear yellow color

Specification

total carotenoids (as beta-carotene)	1.00 to 1.45% (weight)

For further information see *Product Specification* (not for regulatory purposes) available in BASF's MyBASFWorld:

https://my.basf.com/



$C_{40}H_{56}$ **536.9 g/mol**

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information* and *Product Specification*. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

Bulk density

0.6 – 0.7 g/ml

Stability and storage

Carotenoids are sensitive to light, heat and oxygen and need to be stored in a light-proof and airtight container. Stored in the unopened, original packaging at temperatures not above 30 °C, in a dry place, the product is stable for at least 36 months.

Handling

The powder can either be added directly during the production process or added to 20 – 100 times its weight of water first (stock dispersion). Slowly scatter the product into stirred water and use immediately. Ascorbic acid is recommended as an antioxidant and hydrocolloids are useful for stabilization of beverages where no juice is present. It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For use in hard-shell capsules, dry mixes (e.g., instant drinks), foods (e.g., confectionary, baked, goods, dairy products) and beverages (e.g., soft drinks). The product is gelatin-free and particularly suitable for vegetarian products.

Carotenoids from *Dunaliella salina* can be used as provitamin A source and as colorant. Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately. This product is not intended and recommended by BASF for use in food for infants and young children and has not been qualified by BASF for use in those applications with specific requirements. BASF is not testing or manufacturing the product to meet requirements which are applicable for these applications. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

Note

The product must be handled in accordance with the *Safety Data Sheet*.

[1] According to International Standard ISO 23662 on definitions and technical criteria for foods and food ingredients suitable for vegetarians or vegans and for labelling and claims.
[2] No labeling requirements with regard to allergens according to EU regulation (EC) No 1169/2011 (as amended) and the US Food Allergen Labeling and Consumer Protection Act (FALCPA).
[3] No ingredients used containing gluten. However, products are not explicitly tested on gluten.
[4] Main / active ingredient originating from plants (including vegetables, fruits, whole grains, nuts, seeds, mushrooms and algae). May contain formulation ingredients not from plants.
[5] Main / active ingredient originating from natural materials. May contain formulation ingredients not matching “natural” definition.

This document and any information provided herein does not constitute a legally binding obligation of BASF and has been prepared in good faith and is believed to be accurate as of the date of issuance. Unless expressly agreed otherwise in writing in a supply contract or other written agreement between you and BASF:

(a) To the fullest extent not prohibited by the applicable laws, BASF EXPRESSLY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES OF ANY KIND,WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, BY FACT OR LAW, INCLUDING ANYIMPLIED WARRANTIES, REPRESENTATIONS OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, NON-INFRINGEMENT, AND ANY REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES, ARISING FROM STATUTE, COURSE OF DEALING OR USAGE OF TRADE AND BASF HEREBY EXPRESSLY EXCLUDES AND DISCLAIMS ANY LIABILITY RESULTING FROM OR IN CONNECTION WITH THIS DOCUMENT OR ANY INFORMATION PROVIDED HEREIN, including, without limitation, any liability for any direct, consequential, special, or punitive damages relating toor arising therefrom, except in cases of (i) death or personal injury, (ii) BASF´s or its agents and assistants willful misconduct, fraud or fraudulent misrepresentation or (iii) any matter in respect of which it would be unlawful for BASF to exclude or restrict liability under the applicable laws;
(b) Any information provided herein can be changed at BASF´s sole discretion anytime and neither this document nor the information provided herein may be relied upon to satisfy any obligations you may have to undertake your own inspections and evaluation;
(c) BASF rejects any obligation to, and will not, automatically update this document and any information provided herein, unless required by applicable law; and
(d) You are responsible for confirming that you have retrieved the most current version of this document from BASF.
(e) This document or any information provided herein must not be used for purposes of pharmaceutical registrations.