

Dry Vitamin K1 1% GFP

Microencapsulated vitamin K₁ (phylloquinone), spray-dried

Chemical name(s) of active ingredient

Vitamin K₁, phytomenadione, phylloquinone, phytonadione, 2-methyl-3-phytyl-1,4-naphthoquinone

CAS-No. 81818-54-4

EINECS-No. 279-833-9

PRD

30041016

Articles

| | |
|----------|---------------------------|
| 50052166 | 25 kg bag in box |
| 50050682 | 0.05 kg plastic film bags |

Description

Free-flowing, light-yellow powder, consisting of almost spherical particles or agglomerates.

Benefits

Vegetarian/vegan¹, kosher, halal, allergen-free², gluten-free³

Composition

Ingredients in descending order of weight: glucose syrup, gum arabic, vitamin K₁, tricalcium phosphate

Solubility

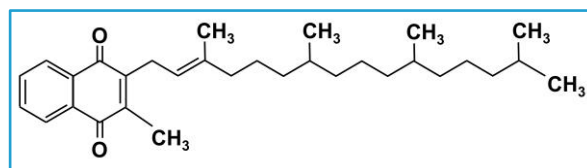
Dispersible in cold water (≥10°C) to form a stable milky white emulsion

Specification

| | |
|-------|-----------------------------------|
| Assay | min. 1.00% vitamin K ₁ |
|-------|-----------------------------------|

For further information see *Product Specification* (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants:

<https://nutritionvirtualassistants.basf.com>



C₃₁H₄₆O₂

450.7 g/mol

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information and Product Specification*. The product meets the regulatory requirements for a vitamin K source in most countries. Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. 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

Approx. 0.6 g/ml

Stability and storage

Vitamin K is sensitive to light, heat, oxygen and moisture and needs to be stored in a light-proof and airtight container. Stored in its unopened, original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 36 months.

Handling

It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For use in tablets, hard-shell capsules, syrups, gummies, bars and similar applications.

Dry Vitamin K1 1% GFP is used for the fortification of foods (e.g., processed cereal based foods, confectionery), dry mixes (e.g., instant drinks, milk powders) and beverages (e.g., multivitamin fruit juices). The product is gelatin-free and particularly suitable for vegetarian products.

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.

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