

# Dry Vitamin K1 5% GFP

Microencapsulated vitamin K<sub>1</sub> (phylloquinone), spray-dried

## Chemical name(s) of active ingredient

Vitamin K<sub>1</sub>, phytomenadione, phylloquinone, phytonadione, 2-methyl-3-phytyl-1,4-naphthoquinone

**CAS-No.** 81818-54-4

**EINECS-No.** 279-833-9

## PRD

30041002

## Articles

50052325	25 kg bag in box
50048509	0.05 kg plastic film bags

## Description

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

## Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free

## Composition

Ingredients in descending order of weight: glucose syrup, gum arabic, vitamin K<sub>1</sub>, tricalcium phosphate

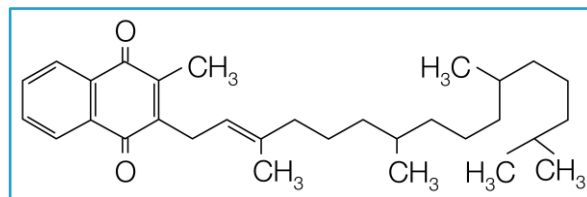
## Solubility

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

## Specification

Assay	min. 5.00% vitamin K <sub>1</sub>
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For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



**C<sub>31</sub>H<sub>46</sub>O<sub>2</sub>**

**450.7 g/mol**

## Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). The included active ingredient Vitamin K<sub>1</sub> complies with the test criteria specified in the current individual Ph. Eur. monograph for 'all-rac-Phytomenadione' and the current individual USP monograph for 'Phytonadione'. The product meets the regulatory requirements for a vitamin K source in most countries. 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 the manufacture of solid products with vitamin K<sub>1</sub> as the sole active ingredient as well as multivitamin and mineral preparations, e.g., tablets, coated tablets, instant-drink granules, effervescent tablets, and for hard shell capsules. For processed cereal based foods, confectionery, instant-drink powders, milk powders and vitamin mixtures. Dry Vitamin K1 5% GFP can also be used in fruit juices. The product is gelatin-free and particularly suitable for vegetarian foods.

Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. 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 has not been qualified by BASF for use in applications with specific requirements (e.g., medical nutrition, infant nutrition). Since BASF is not testing or manufacture the product to meet requirements which are applicable for these applications, it is under the customer's responsibility to qualify the product in case the customer intends to use this product in such 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.

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