

# Dry Vitamin K<sub>1</sub> 5% GFP

## Chemical names of active ingredient

Phytomenadione, phylloquinone, phytonadione,  
2-methyl-3-phytyl-1,4-naphthoquinone

**CAS-No.** 84-80-0

**EINECS-No.** 201-564-2

**PRD-No.**  
30041002\*

\* The product is kosher.

## Article

56283231 25 kg bag in box

**Country of origin**  
Denmark

## Description

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

## Composition

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

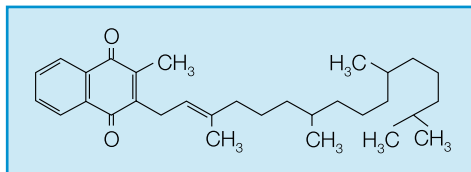
## Solubility

The product can be dispersed in cold water at 10 °C, to form a stable milky emulsion.

## Specification

Assay min. 5.00% vitamin K<sub>1</sub>

For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).



$C_{31}H_{46}O_2$

Molar mass 450.7 g/mol

## Monographs

The active ingredient complies with the current "Phytomenadione" Ph. Eur. and "Phytonadione" USP monographs.

## Regulations

The product meets the regulatory requirements for a vitamin K source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

## Bulk density

Approx. 0.6 g/ml

## Stability

Stored in its unopened original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

## Storage/Handling

The product should be stored in the tightly closed packaging at room temperature (max. 25 °C). It is essential to protect the product from light.

## Applications

### Dietary supplements:

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, sugar-coated tablets, instant-drink granules, effervescent tablets, and hard gelatin capsules.

### Food products:

Food products for babies and small children, except for non-cereal-based Infant Food formulations in the EU, dietetic products, instant-drink powders, dried milk and for vitamin mixtures for the food and ingredients industry. Dry vitamin K<sub>1</sub> 5% can also be used in multivitamin fruit juices and confectionery, e.g., multivitamin sweets. Furthermore, the maximum level of acacia gum in the final infant nutrient preparation has to be considered. The product is gelatin-free and particularly suitable for vegetarian foods.

### **Note**

Dry Vitamin K<sub>1</sub> 5% GFP must be handled in accordance with the Safety Data Sheet.

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