

# Viv-K1 Vitamin K1 (Phytonadione USP)



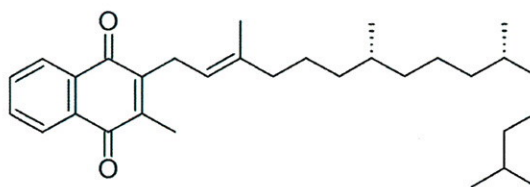
Vivimed



Hair care  
Skin care  
Sun care  
Oral care  
Anti-microbials  
Preservatives  
Thickeners &  
Conditioners  
Natural Extracts  
**Vitamins**

VIV-K1 (vitamin K1) is a fat-soluble vitamin that activates the proteins involved in blood clotting (coagulation), which prevents unchecked bleeding or hemorrhaging throughout the body. It is an essential cofactor in the synthesis of at least 6 of the 13 proteins needed for coagulation. Because of its fat-soluble nature and importance in healthy blood clotting, it is ideal as a topical treatment for all disorders arising from vascular injury. When applied topically, VIV-K1 can readily penetrate the pores of the skin and be transported deep into the dermis where it effectively targets damaged capillaries. The product functions naturally to support the blood clotting process and end seepage, eventually permitting the skin tissue to heal itself.

Product name:	<b>VIV-K1</b>
INCI:	<b>Phytonadione</b>
INN:	<b>Phytomenadione</b>
Synonyms:	<b>Phylloquinone or 2',3'-trans-Vitamin K1</b>
CAS Number:	<b>84-80-0</b>
EINECS Number:	<b>201-564-2</b>
Molecular formula:	<b>C<sub>31</sub>H<sub>46</sub>O<sub>2</sub></b>
Molecular weight:	<b>450.7</b>



Chemical Structure:

# Viv-K1 Vitamin K1 (Phytonadione USP)



Vivimed

## Product Specifications

<b>Appearance:</b>	<b>Clear, yellow, oily liquid</b>
<b>Assay:</b>	<b>97.0 – 103.0 %</b>
<b>Z-Isomer:</b>	<b>Not more than 21.0%</b>
<b>Identification:</b>	<b>A: Infrared absorption</b> <b>Max IR absorption spectrum is that of USP Phytonadione RS</b> <b>B: Ultraviolet absorption</b> <b>Min &amp; Max should equal same wavelength of USP Phytonadione RS. Maximum absorptivities @ 248 nm should not differ by more than 3%.</b>
<b>Refractive Index:</b>	<b>1.523 – 1.526</b>
<b>Reaction:</b>	<b>A 1:20 dilution in Dehydrated alcohol is neutral to litmus.</b>
<b>Menadione &amp; other related substances:</b>	<b>No purple or blue color present after dropping it into a solution of ammonia hydroxide &amp; alcohol.</b>
<b>Microbiology:</b>	
<b>Total plate count</b>	<b>Meets USP requirements</b>
<b>Yeast/Mold</b>	<b>Meets USP requirements</b>
<b>E. Coli</b>	<b>Not detected</b>
<b>Salmonella</b>	<b>Not detected</b>

**FOR MORE INFORMATION -**  
**VISIT US @ [www.vivimedlabs.com](http://www.vivimedlabs.com)**  
**E-MAIL @ [sales-usa@vivimedlabs.com](mailto:sales-usa@vivimedlabs.com)**  
**BY PHONE (732) 398-0008.**

The information on this data sheet is based on information we believe to be reliable and is offered in good faith but without guarantee. Nisarg, Ltd, Vivimed Labs Ltd, Vivimed Labs Europe & Vivimed Labs USA, Inc. make no warranties as to the accuracy or appropriateness of the data, and recommend that prospective users determine for themselves the suitability on the material and suggestions for use prior to their adoption. We also recommend that approval be sought by prospective users from their respective regulatory and/or governmental agencies where appropriate to determine fitness for purpose.