

PRODUCT DATA SHEET

Trade Name: ActiBiso™ VK1 98

INCI Name: Phytonadione

CAS: 84-80-0

Description

ActiBiso™ VK1 98 is an oil-soluble vitamin and an essential raw material for the production of prothrombin in the liver. ActiBiso™ VK1 98 has been reported that vitamin K1 can improve the dark circles under the eyes caused by fatigue. It is clinically found that the combination of vitamin A and vitamin K1 can significantly improve the dark circles under the eyes and is also used in cosmetics.

Quality Parameters

Character	Clear, yellow to amber, very viscous, odorless or practically odorless liquid, decomposes on exposure to sunlight.
Gravity	0.963-0.97
Solubility	Freely soluble in benzene, chloroform, ether soluble in absolute ethyl alcohol, sparingly soluble in ethanol, insoluble in water.
Identification (IR)	The IR spectrum of sample is consistent with that of reference standard
Identification (UV)	In 248nm, absorptivities do not differ by more than 3.0%
Z-isomer %	21.0 max
Menadione	No purple or blue color is produced
Refractive index	1.523-1.526
Reaction	A 50-mg/mL solution of Phytonadione in dehydrated alcohol is neutral to litmus.



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Assay %

97.0 - 103

Total number of aerobic bacteria $<10^3$

Microbial limit (cfu/g)

Total molds and yeasts $\leq 10^2$

Escherichia coli: Negative

Storing

Store in a dry and cool place, sealed and valid for 2 years.

Package

1kg/ bottle.