



GB 1903.67-2024

National Food Safety Standard

Food Nutritional Enhancer Phytomenadione (Vitamin K1)

食品安全国家标准 食品营养强化剂 植物甲萘醌
(维生素K1)

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

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National Standard of the People's Republic of China

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食品营养强化剂 植物甲萘醌 (维生素 K₁)

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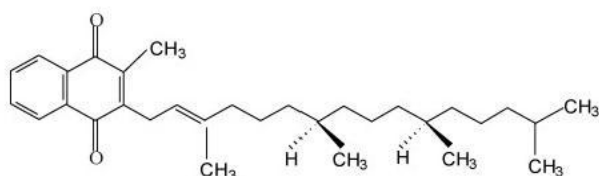
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National Food Safety Standard**Food Nutritional Enhancer Phytomenadione (Vitamin K₁)****1 Scope**

This standard applies to the food nutritional enhancer phytomenadione (vitamin K₁) produced by chemical synthesis with menadione or menadione hydroquinone monoacetate and phytol (including natural phytol and isophytol) as the main raw materials.

2 Chemical Name, Molecular Formula, Structural Formula and Relative Molecular Mass**2.1 Chemical name**

A mixture of trans- and cis-isomers of 2-methyl-3-(3,7,11,15-tetramethylhexadecan-2-enyl)-1,4-naphthoquinone

2.2 Molecular formula**2.3 Structural formula****2.4 Relative molecular mass**

450.71 (according to the 2022 International Relative Atomic Mass)

3 Technical requirements**3.1 Sensory requirements**

Sensory requirements shall comply with the requirements of Table 1.

Table 1 Sensory requirements



Free



Free trial



Standard



Corporate



Special

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