



# Trafa Pharmaceutical Supplies, LLC

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## Specification Sheet

Product:	Vitamin K2 MK4 (Menatetrenone) (Food Grade) 2-Methyl-3-all-trans-famesyl digeranyl-1,4-naphthoquinone;MK-4
Grade	JP 15 Grade
CAS NO.:	[863-61-6]
Mol. Formula:	C <sub>31</sub> H <sub>40</sub> O <sub>2</sub>
Mol. Weight:	444.65

Test	Specification
Assay(Dry basis)	≥98.0%
Cis-isomer	TLC: the spot corresponding to relative Rf value 1.1 regarding to the principal spot from the sample solution is not more intense than the spot from the standard solution.
Solubility	Easily soluble in n-hexane, soluble in ethanol, slightly soluble in methanol, almost insoluble in water
Clarity in Hexane	Clear and Yellow
Identification	
-Ethanol+Potassium Hydroxide	Blue
-Ethanol+Sodium Hydrosulfite	Yellow
-Absorption in Isooctane	325nm~327nm
-Absorbance Ratio A1/A2	0.32-0.38
Melting Point	≥35.0°C
Heavy Metals	≤ 20ppm
Arsenic	< 2ppm
Menadione	Not appear royal purple
Water	
Residue On Ignition	≤ 0.10%
Solvent residue	
Ethanol	≤ 0.3%
Related Substances ratio	0.01%
Appearance	Yellow crystals powder

**Storage:** Store at 0°C temperature. Protect from moisture and light.

Note: The above information is based on the information received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :

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