

Date: July 24, 2008

Specification of Vitamin K2 “ Nisshin ”

(Menatetrenone)

Test	Specification
Description	Yellow, crystals, crystalline powder, waxy mass or oily material
Melting point	About 37
Identification	
1)Color reaction	A blue color develops, and upon standing it changes from blue-purple to red-brown through red-purple
2)IR	Reference and sample spectra exhibit similar intensities of absorption at the same wave numbers
Heavy Metal	NMT 20ppm
Limit of Menadione	No purple or no blue color is produced
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
Other Related Substances	The total area of peaks other than the peak of menatetrenone from the sample solution is not larger than the peak area of menatetrenone from the standard solution
Water	NMT 0.5%
Residue on ignition	NMT 0.10%
Assay	98.0 - 101.0%

Packaging

100g or 500g in tin plate can.

* The first packing - double PE backs

* The second packing - tin plate can

Shelf Life

2 years from the date of production.

Storage Condition

Store in a room temperature, light-resistant.