



Specification

Concerning Product:	
Article number	2124574V02
Trade name / designation / denomination	Vitamin K2 MK7 1% in MCT Öl, ferment.
CAS number	2124-57-4
Other names / synonyms	•2methyl-3-all-trans-farnesyl digeranyl-1,4-naphthoquinone; •Menaquinone-7; •Vitamin K2 MK-7;
EC number	
Molecular weight [g / mol]	649,01
Formula	C ₄₆ H ₆₄ O ₂

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance	visual	clear oil	
Colour	visual	light yellow	
Odour	organoleptic	odourless	
Identity			
Assay	HPLC	Menaquinone-7 Content: ≥ 10000	ppm
Identification	USP	1: The retention time of the major peak of the sample solution corresponds to that of the Standard solution.	
Identification	USP	2: Under visible light and short wavelength UV light, the spots from the Sample solution corresponds in color (light yellow), shape, and RF value to those standard solution, after applying for the spray reagent, the spots from the sample solution, under white light, correspond in color (dark blue), shape, and RF value to those from the standard solution	
Impurities			
Impurity	USP	Cis-Menaquinone-7 ≤ 2,0	%
Impurity	HPLC	Menaquinone-6 ≤ 1000	ppm
Elemental Impurities			
Arsenic (As)	USP 233	≤ 2,0	ppm
Cadmium (Cd)	USP 233	≤ 1,0	ppm
Mercury (Hg)	USP 233	≤ 0,1	ppm
Lead (Pb)	USP 233	≤ 3,0	ppm
Microbiological data			
Escherichia Coli.	USP 2022	absent	CFU/g
Salmonella	USP 2022	absent	
Staphylococcus Aureus	USP 2022	absent	
Total Plate Count	USP 2021	≤ 1000	CFU/g
Yeast and Mould	USP 2021	≤ 100	CFU/g

Regulatory information:

Allergens statement: Product is free of allergens according to Regulation (EU) No. 1169/2011 Annex II.

BSE/TSE statement: Product conforms to TSE/BSE regulation EC Nr. 999/2001.

Ethylene Oxide (EtO) Statement (HACCP): Meet EC 396/2005

Food Grade Status: Product is suitable and safe for human consumption according to Regulation EC 178/2002. Product meets the Kosher and Halal Food Conditions.

GMO statement: Product is GMO free and complies to Regulations (EC) No. 1829/2003 and 1830/2003.

Irradiated Status: Product is irradiation free according to Directive EC 1992/2/EG and 1169/2011.

Nanoparticles: In accordance with the definition of the "engineered nanomaterial" of the European regulation 2015/2283 and on our supplier's information, the product isn't complying with the definition of "engineered nanomaterials". So, this raw material, according to the European regulation 1169/2011, isn't subject to labelling as an engineered nanomaterial.

Vegan Status: Product is suitable for vegetarian, vegan diets.

Supplemental information:

Shelf life: 2 years from date of manufacture

Note: Non-Dangerous Product Status: Product does not meet the criteria for classification as dangerous in accordance with EU regulation (EC) No 1272/2008 and its modifications, therefore is not subject to the obligation to provide a Material Safety Data Sheet according to EU regulation (EC) No 1907/2006 and its modifications

Stability and Handling: The product contains compounds susceptible to degradation caused by improper storage or processing influenced by e.g. light, oxygen, heat, pressure. We do not assume responsibility for changes in quality, even during the specified best before date.

Packing: The packaging of the product conforms to the stipulations set forth in EC Regulation 1935/2004, EC Regulation 10/2011 and EC Regulation 2023/2006

Regional origin: China

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 02. Dec. 2025

LF-Basis: 2.1 (2025-02-07)

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