Vitamin K2 MK-4 Oil

$C_{31}H_{40}O_2$ · CAS 863-61-6 · Menaquinone-4 1% oil

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Menaquinone-4 1% oil	$C_{31}H_{40}O_2$	863-61-6	1.0–1.1% MK-4
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg amber bottle · 5 kg amber bottle

DESCRIPTION

Vitamin K2 MK-4 oil specified at 1.0–1.1% menaquinone-4 by HPLC with peroxide value; the oil and the spray-dried MK-4 powder are different products with different carriers and overage.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (HPLC)	1.0–1.1% MK-4	As stated
Appearance	Yellow to amber oil	As stated
Identification	HPLC and UV conform	As stated
Peroxide value	≤10.0 meq O_2/kg	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker set	Menaquinone-4 1.0–1.1% (HPLC)	Identity
Solubility	Insoluble in water; soluble in fats and in organic solvents.	Matrix dependent

APPLICATIONS

- Softgel capsules
- Oil-based blends

AVAILABLE FORMS

- Oil
- Powder on carrier on request

PACKING

- 1 kg amber bottle
- 5 kg amber bottle

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.