# Vitamin K1

*$C_{31}H_{46}O_2$ · CAS 84-80-0 · Phytonadione, oil*

**SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT**

| PRODUCT | CHEMICAL FORM | CAS | SPECIFICATION VERSION |
|---|---|---|---|
| Vitamin K1 | Phytonadione, oil | 84-80-0 | Catalog · confirmed at quotation |
| **BATCH NUMBER** | **MANUFACTURE DATE** | **RETEST DATE** | **RELEASE DECISION** |
| Issued with the lot | Issued with the lot | Issued with the lot | Issued with the lot |

## RELEASE SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD |
|---|---|---|
| Assay (HPLC) | 97.0–103.0% | As stated |
| Appearance | Clear yellow to amber viscous oil | As stated |
| Identification | HPLC and UV conform | As stated |
| Refractive index | 1.525–1.528 | 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 | Phytonadione 97.0–103.0% (HPLC) | Identity |
| Solubility | Practically insoluble in water; soluble in fats and in organic solvents. | Matrix dependent |

## LOT FIELDS

A batch-specific certificate replaces the fields above with the measured result, the method actually used, the batch number, the manufacture and retest dates, and the release signature. The catalog limits on this page are the release window, not a result.

## STATEMENT

This specimen shows the format and the release specification. It is not a batch COA and must not be presented as one. The COA that ships with a lot is issued from the released batch and is available before dispatch.

**Pack and storage.** 1 kg amber bottle · 5 kg amber bottle. Store closed in a cool, dry place, away from direct sunlight and moisture. The lot-specific retest date is shown on the batch certificate.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com