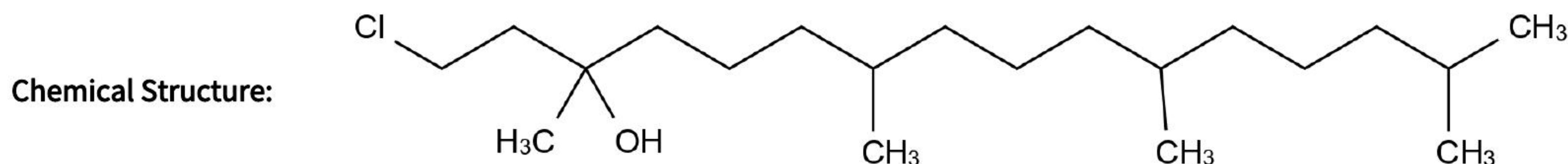


Certificate of Analysis

Reference Material

Product Name:	Vitamin K1 Impurity 21	Catalogue Number:	C4X-220721
Chemical Name:	N/A	Lot Number:	1009-RD-0005
CAS Number:	562836-92-4	Expiry Date:	Sep 15, 2025
Molecular Formula:	C ₂₀ H ₄₁ ClO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	332.99		



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0%
Residual Solvents	NMR	Not detected in NMR
Assay	qNMR	96.8%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Sep 17, 2022

Date: Oct 11, 2022

Date: Oct 11, 2022

