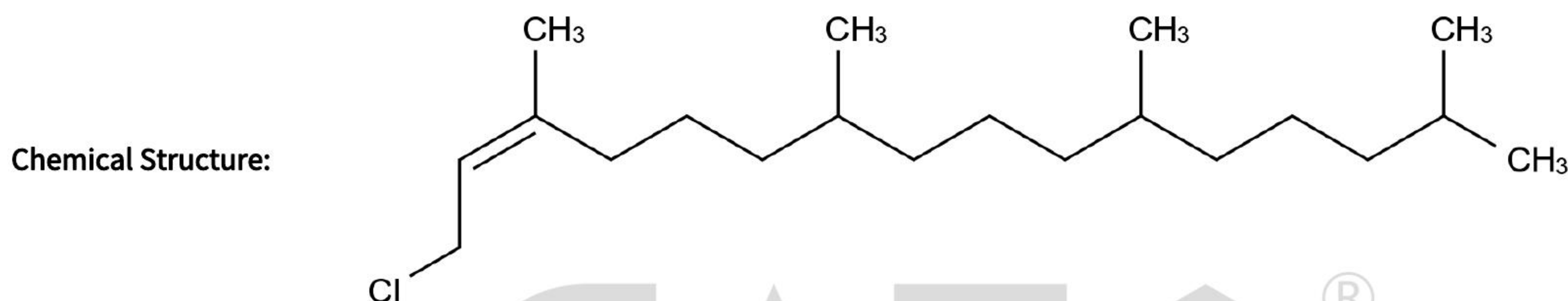


Certificate of Analysis

Reference Material & Standard

Product Name:	Vitamin K1 Impurity 60	Catalogue Number:	C4X-220760
Synonyms:	N/A	Lot Number:	0613-RG-0054
CAS Number:	2580987-83-1	Expiry Date:	Jun 12, 2028
Molecular Formula:	C ₂₀ H ₃₉ Cl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	314.98		



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	96.15%
Loss On Drying	TGA	0.4314%
Assay		95.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Jun 13, 2025

Date: Jun 13, 2025

Date: Jun 13, 2025

