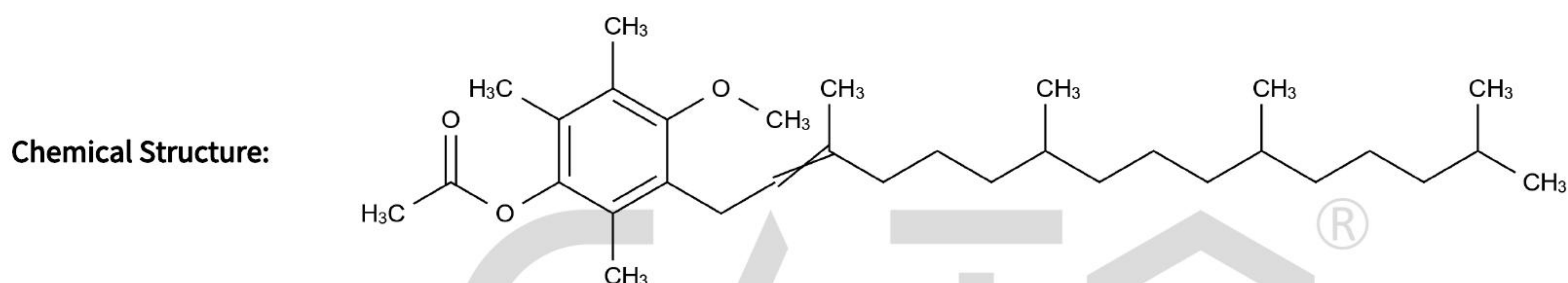


Certificate of Analysis

Reference Material & Standard

Product Name:	All-rac-alfa-Tocopheryl Acetate EP Impurity D (Mixture of Isomers)	Catalogue Number:	C4X-119511
Synonyms:	N/A	Lot Number:	0902-RF-0053
CAS Number:	2734344-00-2	Expiry Date:	Sep 25, 2029
Molecular Formula:	C ₃₂ H ₅₄ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	486.77		



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Oil
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	97.929%
Water Content	Karl Fischer	0.70%
Residual Solvents	NMR	Not detected in NMR
Assay		97.2%

Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 26, 2025

Date: Sep 26, 2025

Date: Sep 26, 2025



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