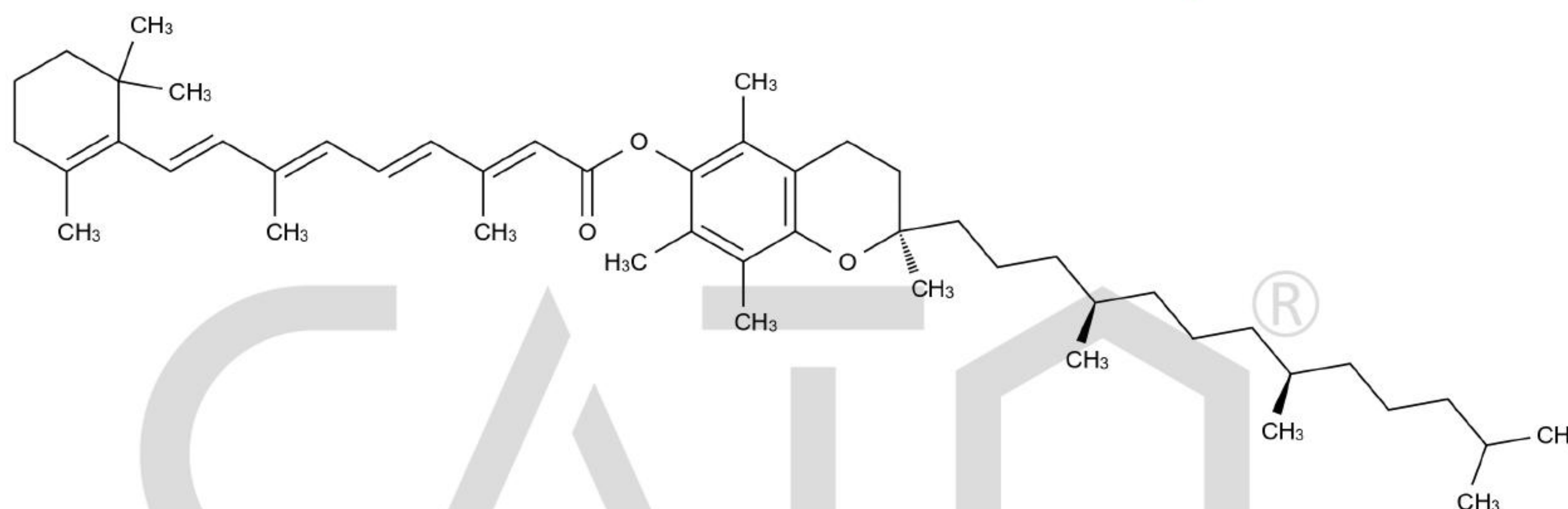


Certificate of Analysis

Reference Material & Standard

Product Name:	d-alpha-Tocopheryl Retinoate	Catalogue Number:	C1806032
Synonyms:	N/A	Lot Number:	0528-RF-0035
CAS Number:	40516-49-2	Expiry Date:	May 08, 2028
Molecular Formula:	C49H76O3	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	713.13	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Thick Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.11%
Loss On Drying	TGA	2.4308%
Assay		92.8%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 04, 2024

Date: Jun 04, 2024

Date: Jun 04, 2024

