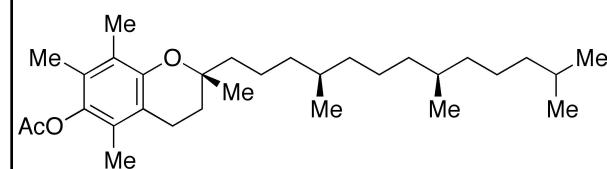


CERTIFICATE OF ANALYSIS**1. Identification**Catalogue Number
T526115Lot Number
711977852-6-1StructureProduct Name

a-Tocopherol Acetate

Synonyms(2R)-3,4-Dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol 6-Acetate; Ephynal Acetate; (+)- α -Tocopherol Acetate; (+)- α -Tocopheryl Acetate; (2R,4'R,8'R)- α -Tocopherol Acetate; (2R,4'R,8'R)- α -Tocopheryl Acetate; (R,R,R)- α -Tocopheryl Acetate; 2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-CAS Number

58-95-7

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₃₁H₅₂O₃Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

472.74

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Colourless to Light Yellow Thick Oil to Low-Melting Solid

Results

Clear Colourless Thick Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 79.11, %H: 11.34

HPLC Purity

Report Result

97.43% (205 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+1.5° (c = 0.5, Ethanol)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. SignaturesReviewed by
Reviewed by
C of A Approved by
Test Date

9/19/2024

Retest Date

9/17/2028

Jingning Zhou
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Chanell Chu
Quality Assurance Associate