



CERTIFICATE OF ANALYSIS

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1. Identification

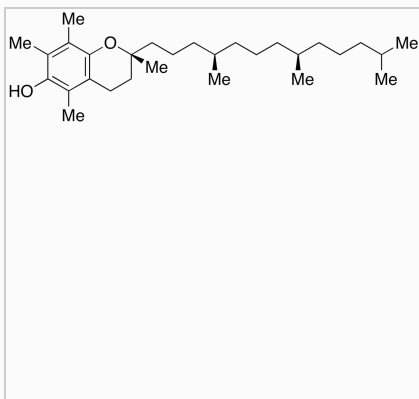
Catalogue Number: T526125

CAS Number: 59-02-9

Product: α -Tocopherol

Synonym: (2R)-3,4-Dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol; (+)- α -Tocopherol; (all-R)- α -Tocopherol; 5,7,8-Trimethyltocol; Acros; Almefrol; Biopass E 20; d- α -Tocopherol; Optovit; Tocovital; α -Vitamin E;

Structure:



Molecular Formula:

$C_{29}H_{50}O_2$

Molecular weight:

430.71

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Ethanol (Soluble), Ethyl Acetate (Slightly), Methanol (SI

Lot Number: 21-ZEA-181-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 81.16, %H: 11.81
Appearance	Colourless to Light Yellow Oil to Thick Oil	Clear Colourless Thick Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+0.5° (c = 1.2, Ethanol)
HPLC Purity	Report Result	98.60% (205 nm)

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. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	9/23/2021	9/21/2025

