



CERTIFICATE OF ANALYSIS

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1. Identification

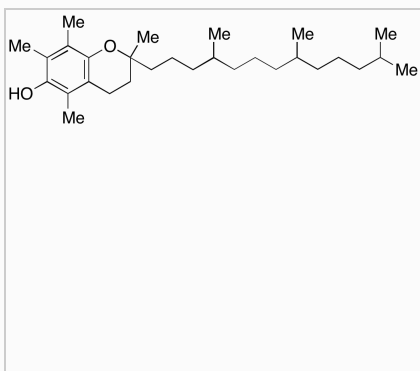
Catalogue Number: T526145

CAS Number: 10191-41-0

Synonym: 2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-6-Chromanol; ()-?-Tocopherol; 2,5,7,8-Tetramethyl-2(4',8',12'-trimethyltridecyl)chroman-6-ol; 3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-ol; 3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol; DL-?-Tocopherol; Elementol B; Elementol Basic; Elementol R; Ephanyl; Irganox E 210; Rac-?-Tocopherol; Ronotec 201; Ronotec 202; Ronotec DF 120; Uvinul 2000AO; all-rac-?-Tocopherol; Vitamim E AI

Product: dl-a-Tocopherol

Structure:



Molecular Formula:

$C_{29}H_{50}O_2$

Molecular weight:

430.71

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 2022-GHZ-046

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Dark Yellow Oil to Thick Oil	Clear Pale Yellow Thick Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 81.16, %H: 11.92
HPLC Purity	Report Result	98.18% (200 nm)
MS	Conforms to Structure	Conforms

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
Nicole Yip	Toni Rantanen	Chanell Chu	11/7/2022	11/5/2026
				