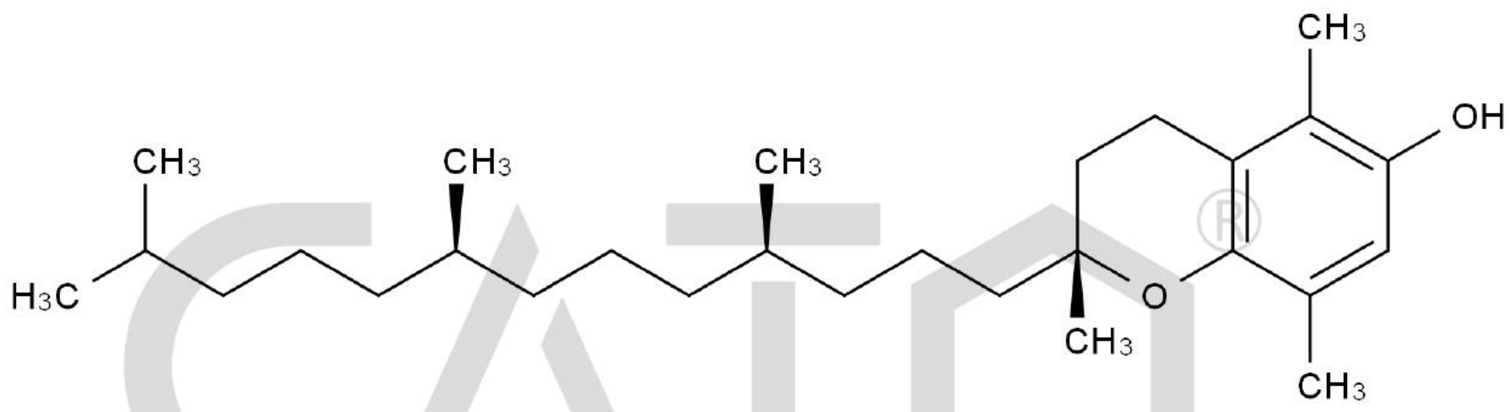
Certificate of Analysis

Reference Material & Standard

Product Name:	β-Tocopherol	**Catalogue Number:**	CCPE901347
Synonyms:	N/A	**Lot Number:**	1027-RH-0127
CAS Number:	16698-35-4	**Expiry Date:**	Oct 29, 2030
Molecular Formula:	$C_{28}H_{48}O_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	416.68	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Loss on Drying	TGA	0.1873%
Assay	Mass Balance	99.8%
Uncertainty		±0.2%

CATO Research Chemicals Inc.

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity GC (%) /100%*
Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Alice Date: Oct 30, 2026

Reviewed by: Koi Date: Nov 02, 2026

Approved by General Manager: David Date: Nov 02, 2026

CATO Research Chemicals Inc.