



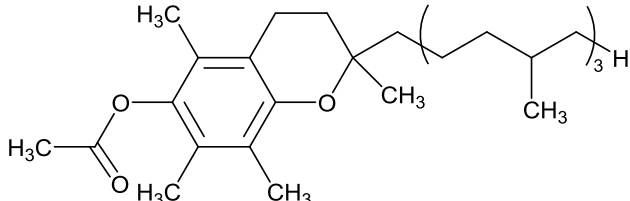
Certificate

ALPHA TOCOPHERYL ACETATE

(2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)chroman-6-yl acetate)

USP Catalog No.: 1667701

USP Lot No.: R03530

 The chemical structure shows a chromanol ring with four methyl groups at positions 2, 5, 7, and 8. At position 2, there is a side chain consisting of a methylene group, a quaternary carbon atom bonded to a methyl group and a long unsaturated hydrocarbon chain, and an oxygen atom. The long chain is a 4,8,12-trimethyltridecyl group, represented as (CH2)4-CH(CH3)-(CH2)4-CH(CH3)-(CH2)4-CH3. At position 6, there is an acetate group (-O-C(=O)-CH3).	CAS No.:	7695-91-2
	Molecular Formula:	C ₃₁ H ₅₂ O ₃
	Molecular Weight:	472.75

**LABEL TEXT**

For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use
at www.usp.org/sds.

**REFERENCE
STANDARD****ALPHA TOCOPHERYL ACETATE 250 mg**

For quantitative applications, use a value of
0.985 mg of alpha tocopheryl acetate per mg
of material on the as is basis. Protect from
light. Store in a refrigerator. After opening,
store the material in a tightly closed container
under an inert gas.

**See certificate for any additional
information.**

USP, 12601 Twinbrook Pkwy,
Rockville, MD, +1-301-881-0666

Cat. No. 1667701 Material mfd. in Switzerland

LOT: R03530



Jeri L. Joth

Quality Assurance

**Assigned Value**

Please refer to the USP Reference Standard label for the assigned value of the specific lot. If the lot was developed for qualitative use, it will not have an assigned value.

Valid Use Date

It is the responsibility of the user to ascertain that a particular lot of a USP Reference Standard has official status either as a "Current lot" or as a "Previous lot" within the assigned valid use date. The online USP Reference Standards Catalog and the online USP Store at www.usp.org are updated daily. USP recommends referring to one of these sources prior to using a USP Reference Standard to make sure the lot is valid for use.

Storage

Storage conditions are lot-specific and may change from one lot to another. If no specific directions or limitations are provided on the USP Reference Standard label, the conditions of storage shall include storage at room temperature and protection from moisture, light, freezing, and excessive heat.

Instructions for Use

Follow the instructions provided on this Certificate, on the label of the USP Reference Standard, and in the associated USP documentary standard(s). Please refer to General Chapter <11> for additional information.

Non-USP Compendial Use

USP Reference Standards are for use in analytical or laboratory applications as specified in USP compendia. They are not for use in humans or animals as drugs or medical devices. It is the responsibility of the user to determine the suitability of the USP Reference Standard for non-USP compendial uses.

LEGAL NOTICE

USP WARRANTS GOOD TITLE TO USP REFERENCE STANDARDS ON DISPATCH FROM USP. THE FOREGOING WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY THAT THE PRODUCTS, INCLUDING THIS CERTIFICATE, ARE OF MERCHANTABLE QUALITY. USP'S LIABILITY ARISING OUT OF OR RELATING TO THE SUPPLY OF USP REFERENCE STANDARDS AND THIS CERTIFICATE SHALL IN NO EVENT INCLUDE LOSS OF PROFITS, COST OF PROCURING SUBSTITUTE GOODS OR SERVICES, OR ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES OF ANY KIND, EVEN IF USP IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, USP DOES NOT WARRANT THAT THE USE OR RESALE OF USP REFERENCE STANDARDS, INCLUDING THEIR USE TO PERFORM TESTS AND ASSAYS PUBLISHED BY USP, WILL NOT INFRINGE UNITED STATES OR ANY OTHER PATENTS.

USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.

This certificate may not be reproduced without the express written permission of USP.