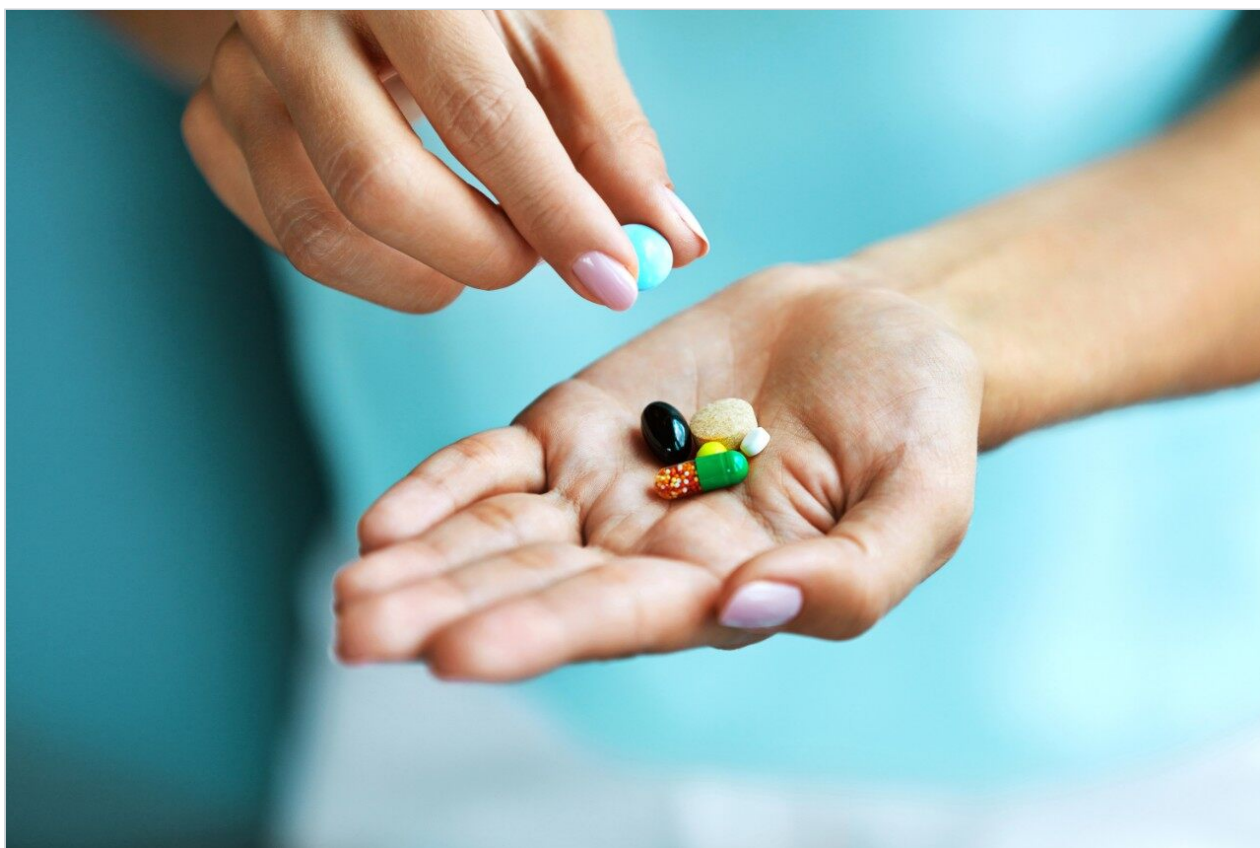


Vitamins- Fat-Soluble

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

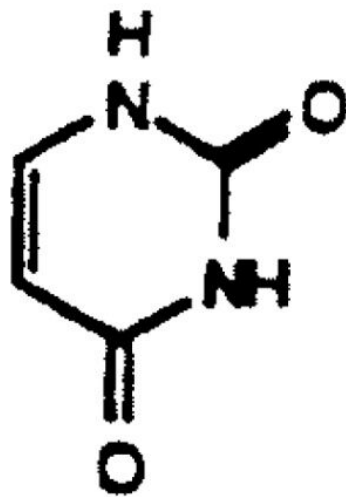
Abstract

This application brief demonstrates analysis of fat soluble vitamins.

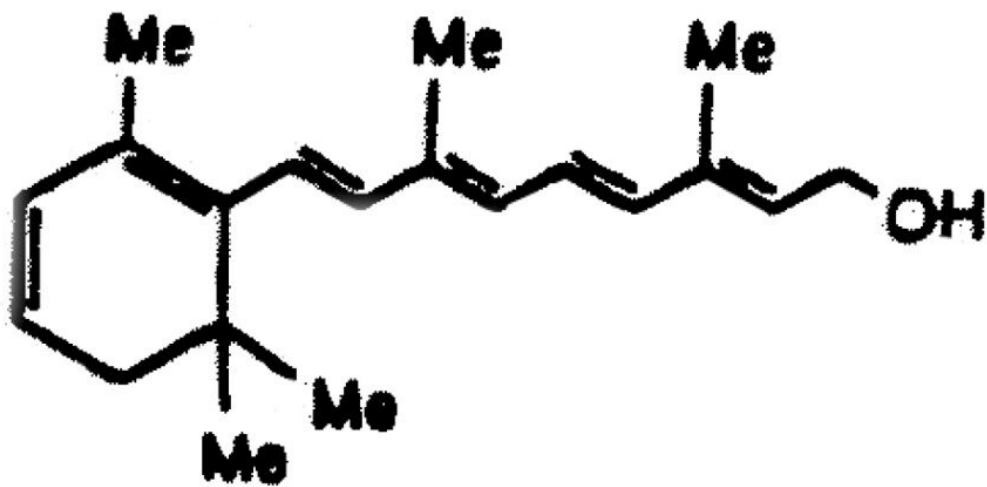
Introduction

The compounds used in this study are –

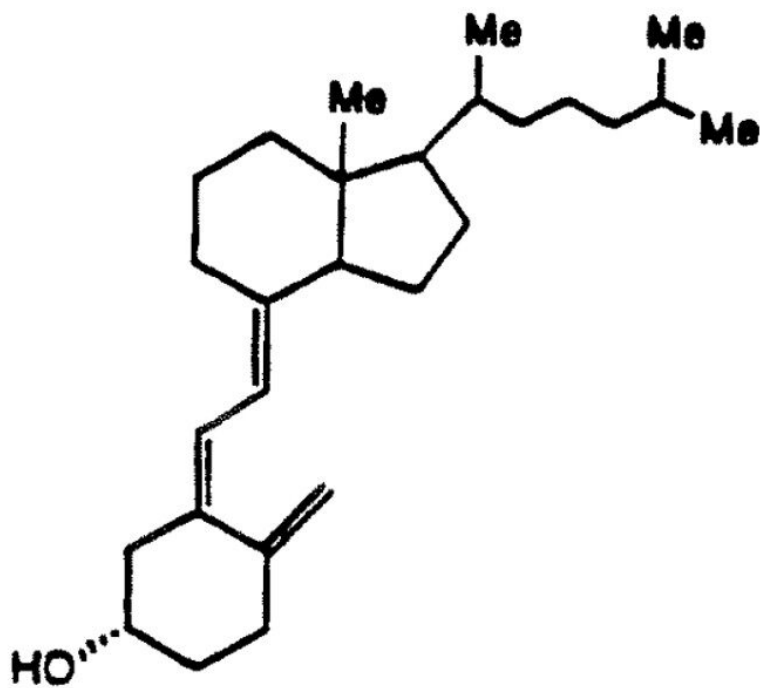
Compounds	USP Tailing Factors
Trans-Retinol (Vitamin A)	1.33
Cholecalciferol (Vitamin D3)	1.2
Alpha-Tocopherol (Vitamin E)	1.16



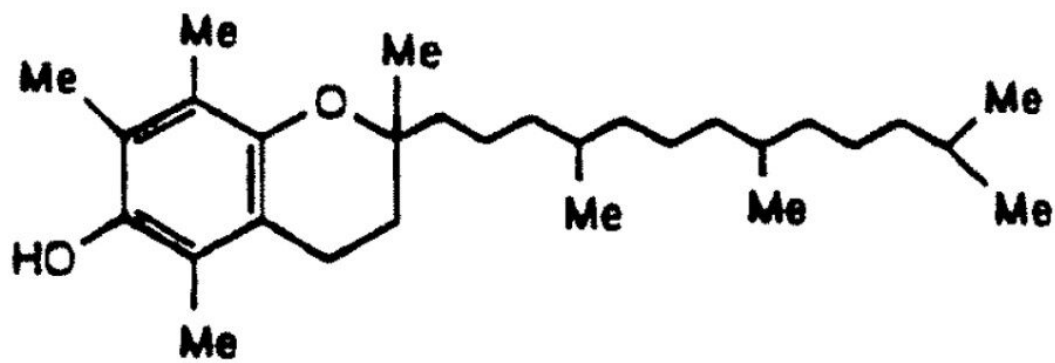
Vo. Uracil



1. Trans-Retinol (Vitamin A)



2. Cholecalciferol (Vitamin D3)

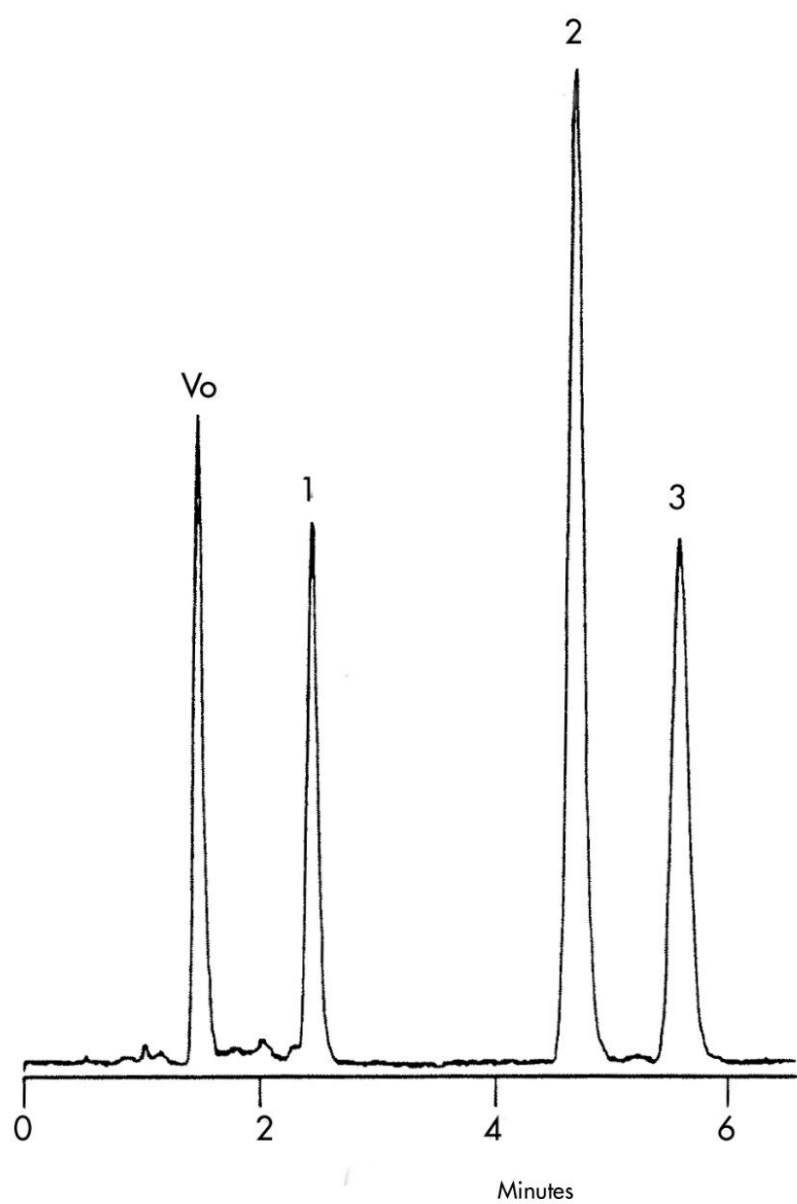


3. Alpha-Tocopherol (Vitamin E)

HPLC Method

Column:	Symmetry C ₈ , 3.9 x 150 mm, 5 µm
Guard Column:	Sentry Guard Column 3.9 x 20mm, 5 µm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	Methanol/acetonitrile/water 45:45:10
Flow rate:	1.0 mL/min
Injection volume:	10 µL of 25 µg/mL sample
Detection:	UV @ 280 nm

Results and Discussion



Featured Products

WA31763.179, June 2003

