

offering a prolonged shelf life and enhanced stability in formulations.

Vitamin E , Vitamin E Acetate can be retained, and analyzed using a Lipak mixed-mode stationary phase column. The analysis utilizes an gradient method with a mobile phase consisting of water, methanol (MeOH), ammonium formate and formic acid as a buffer. Detection is achieved using UV 292 nm or MS.

Method Parameters

Mobile Phase	Gradient MeOH/H ₂ O – 90/10 – 100/0% in 10 min, 5 min hold
Buffer	AmFm– 10 mM, FA – 0.05%
Flow Rate	0.5 ml/min
Detection	UV 292 nmESI MS SIM 431 +, 473+
Class of Compounds	Fat Soluble Vitamins
Analyzing Compounds	Vitamin E,Vitamin E Acetate

HPLC Column Used

Lipak, 3.2 x 150 mm, 3 µm, 100 A, dual ended