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Application Note

Vitamins- Water-Soluble Folic Acid Mixture

Waters Corporation



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

Abstract

This application brief demonstrates analysis of vitamins- water-soluble folic acid mixture.

Introduction

The compounds used in this study are -

Compounds	USP Tailing Factors
Nicergoline	1.6
Folic Acid	1.4
Riboflavin	1.2
Thiamine Hydrochloride	1.2

1. Nicergoline

3. Riboflavin

4. Thiamine Hydrochloride

Experimental

HPLC Method

Column: Symmetry C_{18} , 3.9 x 150 mm, 5 μm

Part numbers: Column - WAT046980, PIC B6 - WAT085140

Mobile phase: 20 mM PIC B6 (hexane sulfonic acid) and 0.1%

phosphoric acid, pH 2.2/methanol 75:25

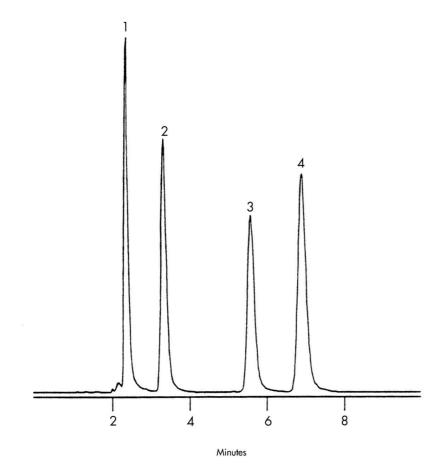
Flow rate: 0.7 mL/min

Injection volume: 10 μ L of mixture with 0.02 to 0.17 mg/mL

Temperature: 40 °C

Detection: UV @ 280 nm

Results and Discussion



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