# Waters™

#### Applikationsbericht

## Pseudoephedrine HCL and Codeine

Waters Corporation



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

### Abstract

This application brief highlights the analysis of Pseudoephedrine HCL and Codeine using Symmetry Shield Columns.

### Introduction

The compounds analyzed in this study are:

- 1. Pseudoephedrine HCL
- 2. Codeine

## 1. Pseudoephedrine HCL

### 2. Codeine

#### **HPLC Method**

Column: SymmetryShield RP $_8$ , 3.9 x 150 mm, 5  $\mu$ m

Part number: WAT200655

Mobile phase A: 50 mM potassium phosphate, pH 7

Mobile phase B: Acetonitrile

Flow rate: 1.0 mL/min

Injection volume: 5  $\mu$ L of 2 mg/mL pseudoephedrine and 0.2

mg/mL codeine

Detection: UV @ 2541 nm

#### Gradient

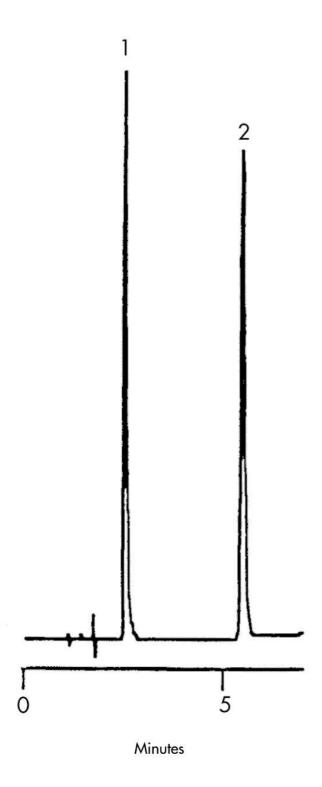
Time (min)	Profile	
	%A	%B
0	85	15
15	50	50

### **USP Tailing Factors**

1. 1.8

2. 1.1

### Results and Discussion



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