

Note d'application

## Pseudoephedrine HCL and Chlorpheniramine

---

Waters Corporation



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

---

### Abstract

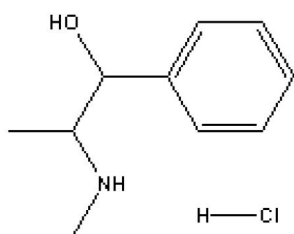
This application brief highlights the analysis of Pseudoephedrine HCL and Chlorpheniramine using Symmetry columns.

---

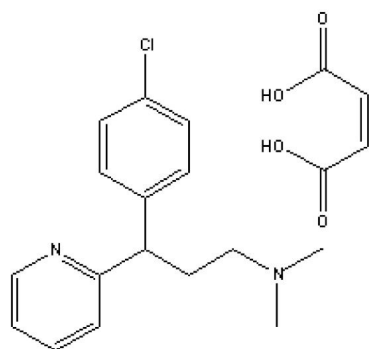
## Introduction

The compounds analyzed in this study are:

1. Pseudoephedrine HCL
2. Chlorpheniramine



### 1. Pseudoephedrine HCL



### 2. Chlorpheniramine Maleate

---

## Experimental

## HPLC Method

|                   |   |
|-------------------|---|
| Column:           | Symmetry C <sub>18</sub> , 3.9 x 150 mm, 5 μm                           |
| Part number:      | WAT046970   |
| Mobile phase A:   | 50 mM potassium phosphate, pH 3.0                                       |
| Mobile phase B:   | Acetonitrile  |
| Flow rate:        | 1.0 mL/min  |
| Injection volume: | 5 μL of 1.8 mg/mL pseudoephedrine and 120 μg/mL chlorpheniramine sample |
| Detection:        | UV @ 261 nm   |

## Gradient Table

| Time (min) | Profile |    |
|------------|---------|----|
|            | %A      | %B |
| 0          | 85      | 15 |
| 1          | 85      | 15 |
| 15         | 50      | 50 |

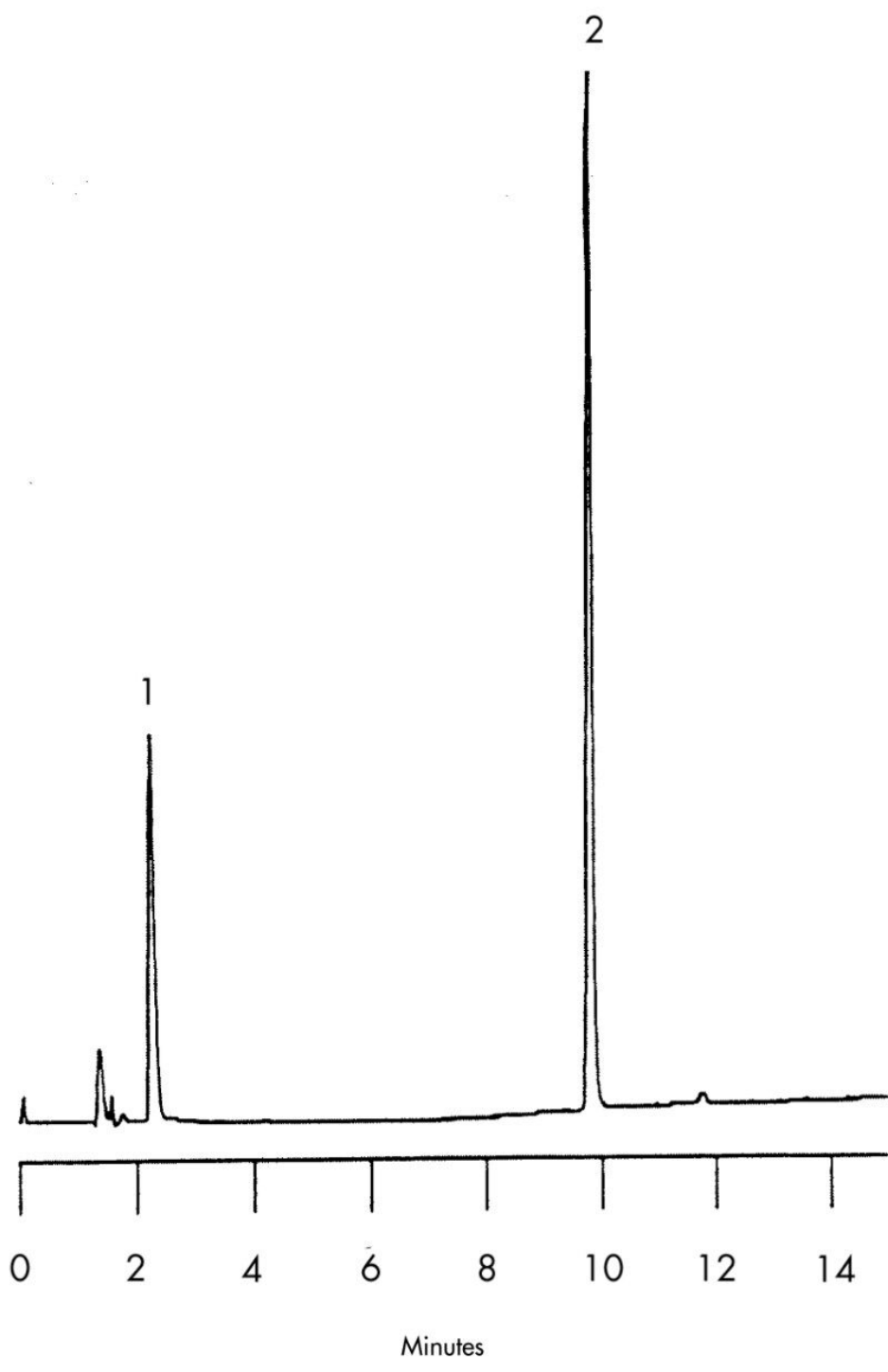
## USP Tailing Factors

1.1.7

2.1.2

---

## Results and Discussion



---

Featured Products

WA31763.137, June 2003

© 2021 Waters Corporation. All Rights Reserved.