

Note d'application

## Naproxen – SymmetryShield RP18

---

Waters Corporation



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

---

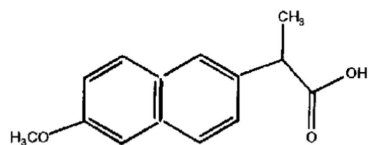
### Abstract

This application brief highlights the analysis of naproxen using SymmetryShield RP<sub>18</sub>.

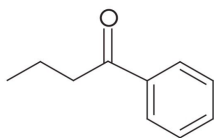
---

## Introduction

Compounds used in this application brief are Naproxen and Butyrophenone.



### 1. Naproxen



### 2. Butyrophenone

---

## Experimental

### HPLC Method

|                   |  |
|-------------------|--|
| Column:           | SymmetryShield RP <sub>18</sub> , 4.6 x 250 mm, 5 μm (p/n: 186000112)          |
| Mobile phase:     | Acetonitrile/water 46:54, 2.0 mL of glacial acetic acid in 1 L of mobile phase |
| Flow rate:        | 1.0 mL/min   |
| Injection volume: | 20 μL  |
| Detection:        | UV @ 254 nm  |

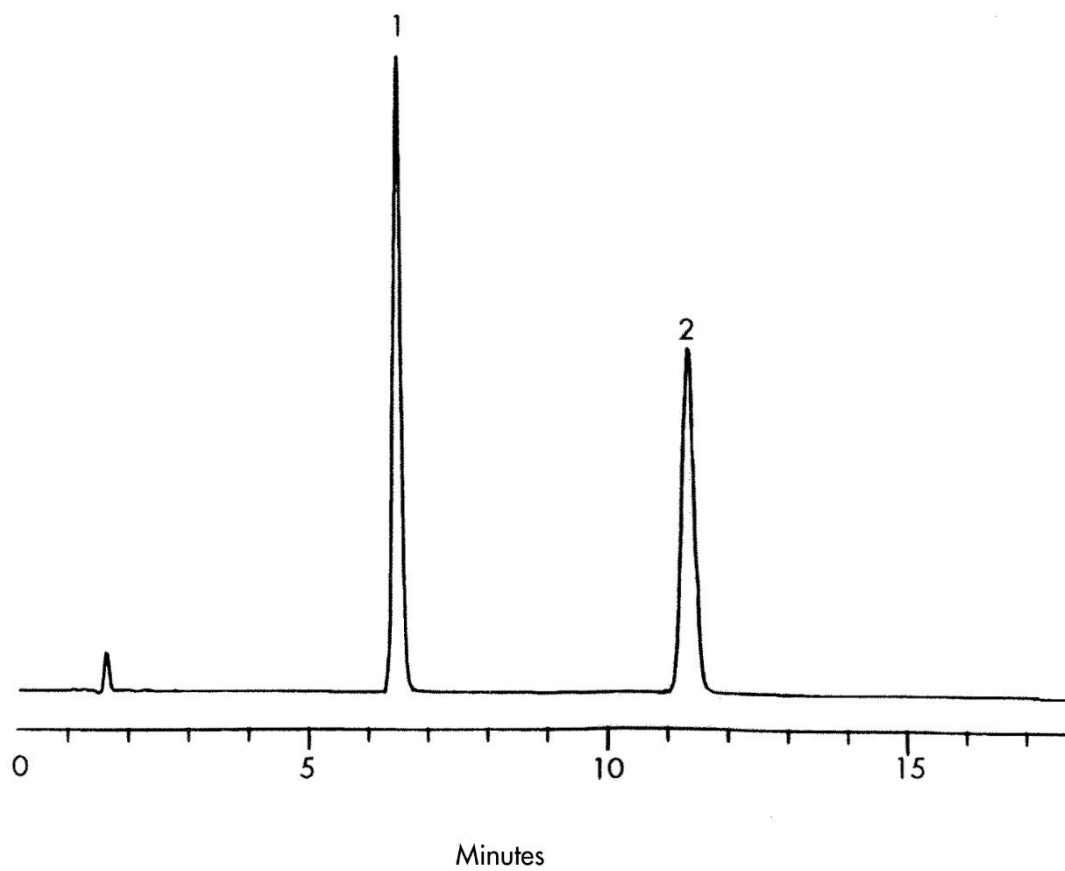
USP tailing factors:

1. 1.09

2. 1.13

---

## Results and Discussion



---

## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

WA31763.111, June 2003

© 2021 Waters Corporation. All Rights Reserved.