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Nota de aplicación

Salicylic Acid and Related Compounds

Waters Corporation



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

Abstract

This application brief demonstrates analysis of salicylic acid and related compounds.

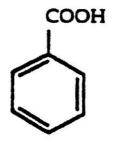
Introduction

The compounds used in this study are -

Compounds	USP Tailing Factors
Phthalic Acid	1.7
Salicylic Acid	1.1
Benzoic Acid	1.4

1. Phthalic Acid

2. Salicylic Acid



3. Benzoic Acid

Experimental

HPLC Method

Column:

Symmetry C_{18} , 3.9 x 150 mm, 5 μm

 Part numbers:
 WAT046980

 Mobile phase:
 50 mM potassium phosphate pH 3.0/acetonitrile 70:30

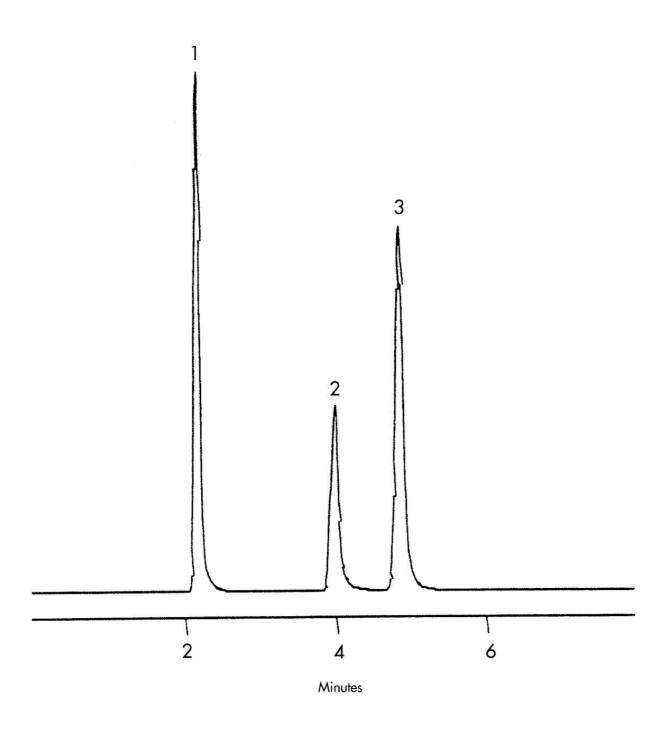
 Temperature:
 40 °C

 Flow rate:
 0.7 mL/min

 Injection volume:
 6 μL of phthalic acid (0.5 mg/mL), benzoic and salicylic acids (1 mg/mL)

 Detection:
 UV @ 254 nm

Results and Discussion



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