

Salicylic Acid and Related Compounds

Waters Corporation



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

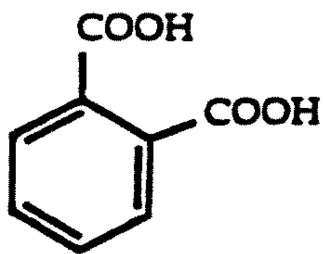
Abstract

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

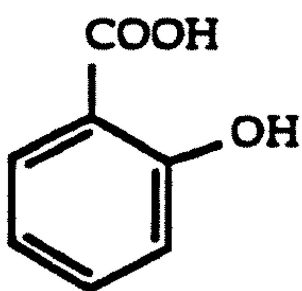
Introduction

The compounds used in this study are –

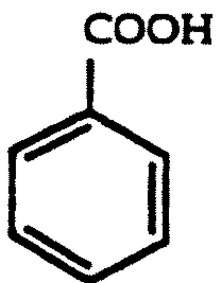
Compounds	USP Tailing Factors
Phthalic Acid	1.7
Salicylic Acid	1.1
Benzoic Acid	1.4



1. Phthalic Acid



2. Salicylic Acid



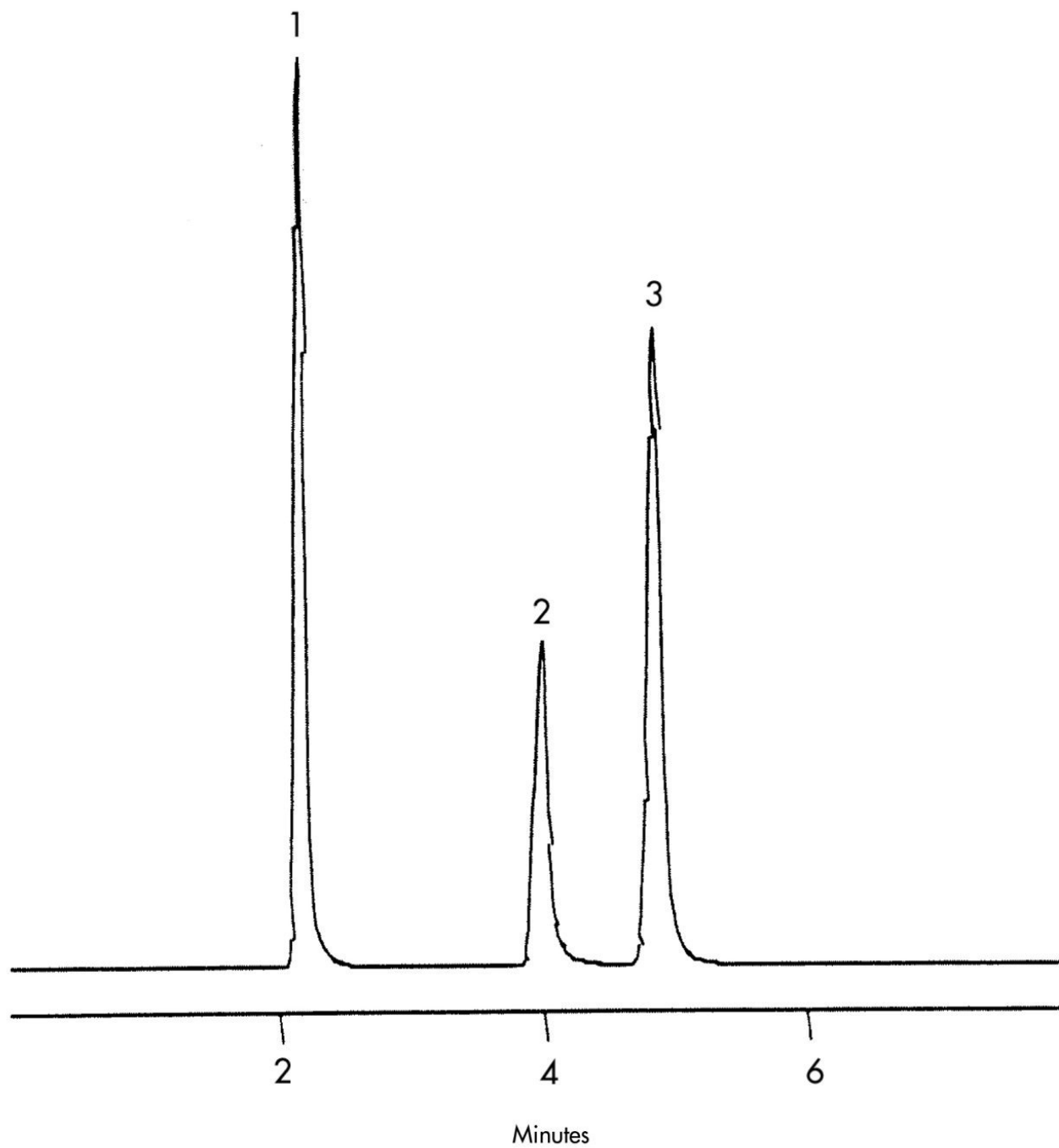
3. Benzoic Acid

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
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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WA31763.146, June 2003



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