Waters™

アプリケーションノート

Lidocaine

Waters Corporation

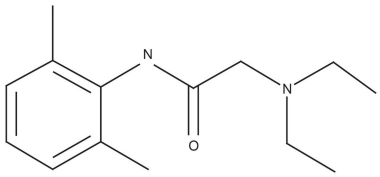
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of lidocaine using XTerra RP_{18} columns.

Introduction

Lidocaine has been analyzed in this application brief.



Lidocaine

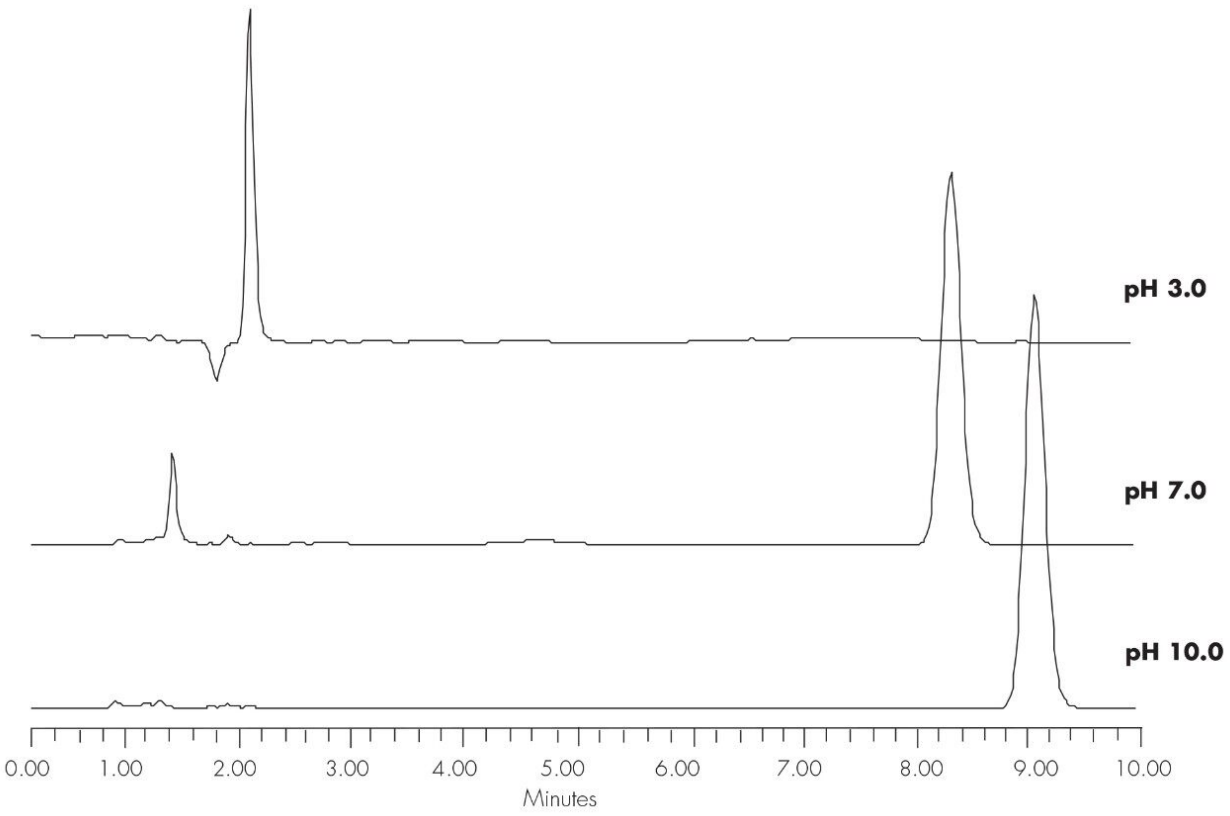
Experimental

HPLC Method

Column:	XTerra RP_{18} 4.6 x 150 mm, 5 µm (p/n: 186000492)
Mobile phase:	At pH 3.0: H_2O/ACN/100 Mm NH_4COOH, pH 3.0, 55:35:10 At pH 7.0: H_2O/ACN/100 mM NH_4HCO_3, pH 7.0, 50:40:10 At pH 10.0: H_2O/ACN/100 mM NH_4HCO_3, pH 10.0, 50:40:10
Flow rate:	1.0 mL/min
Injection volume:	5 µL of 250 µg/mL
Temperature:	30 °C
Detection:	UV @ 238 nm
Instrument:	Alliance 2695, 2996 PDA

Mobile Phase pH	USP Tailing
3.0	1.20
7.0	1.07
10.0	1.07

Results and Discussion



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